| Basic Information 基本情報

Name	Nayem Mehedi (メヘディ)
Birth date	January 2nd, 1998
Current Address	7/3, West Vashantek, Dhaka Cantonment, Dhaka 1206
Contact Number	+8801532643442
E-mail	nayem73@gmail.com
Portfolio link	Portfolio: https://nayemmehedi.me GitHub: https://github.com/Nayem73 Stack Overflow: https://stackoverflow.com/users/21816714 LeetCode: https://leetcode.com/u/Nayem_

| Academic Background 学歴

Degree	BSc. Engineering in Computer Science and Engineering (CSE)		
University Name	Pabna University of Science and Technology		
Duration	2018/03 – 2024/01 (5.10 Years)	CGPA	3.27 / 4.00
Passing Date	2024/02/13		

| Professional Working Experience 職歴 *Employment, Establish own company, Internship

Company Name	An E-Commerce Startup Company in Japan (Freelancer)
Job Title	Backend Developer
Job Responsibilities	**Training:** • Attended training sessions mentored by company developers. **Daily Meeting:** • Participated in daily meetings to provide progress updates. **System Design:** • Contributed to designing the database schema for the entire system. **Payment Gateway Integration:** • Researched integrating SSLCOMMERZ payment gateway using Spring Boot. **Team Collaboration:** • Collaborated with frontend developers.
Technology / Language Used	Java, Rest APIs (Spring Boot), MySQL, E-R Diagrams, SSLCOMMERZ
Duration	2023/09 – 2023/10 (2 months; project put on hold by the company)

| Technical Skills 技術スキル

S = Team Lead or Managerial Level experience, A = Professional project Experience, B=Highly confident skill, C = Personal / Academic Project Experience, D = Theoretical Knowledge

Programming Language	Skill Level	Web	Skill Level	Database	Skill Level	Others	Skill Level
JAVA	B	Spring Boot	B	MySQL	B	Git (GitHub)	B
C/C++	B	REST APIs	B			Maven	B
SQL	B	Spring Data JPA and JPQL	B			Jira	B
Python	C	Dependency Injection	B			Data Structure & Algorithms	B
JavaScript / TypeScript	C	Spring MVC	B			Postman	B
		Spring Security	C			JWT	C
		React	C			JUnit	C
		Angular	D			Docker	C

| Professional Project Experience 仕事としての経験

Duration	Project Details	Technology Used	Your Role
2023/09 – 2023/10 (2 months)	**Project Title:** Bangladesh-Japan E-Commerce Platform. **Project Overview:** The platform sells highly demanded products from Japan in Bangladesh. o Users can pre-order unavailable items. o Users can earn points from purchases to use on future buys. o Track order stages and estimated arrival date. **Project Link:** Project was put on hold after two months **Total Number of Members: 5**	Java, Rest APIs (Spring Boot), MySQL, E-R Diagrams, SSLCOMMERZ	**My Role:** Backend Development **Name of Part:** • Database schema design. • Integrating SSLCOMMERZ payment gateway. • Creating Rest APIs using Spring Boot.

| Academic or Personal Project Experience 学習のための経験

Duration	Project Details	Technology Used	Your Role
2024/06 – Present (1 Month)	**Project Title:** Learning Management System (LMS) **Project Overview:** An interactive online LMS. o **Roles:** For students, teachers, and admins. o **Course Management:** Structured modules and lessons. o **Engagement:** Discussion forums and chat. o **Assessment:** Quizzes, assignments, reviews **Project Link:** Private GitHub Repository **Total Number of Members ：7**	**Frontend:** React, Material UI, Redux, React Router, Axios **Project Management Tool:** Jira	**My Role:** Frontend Development **Name of Part:** • Developing the frontend. • Utilizing GitHub. • **Participating in Agile Development:** Daily stand-ups and sprint planning (Jira)

2024/04
–
2024/06
(3 Months)
	Project Title: B-JET (Bangladesh-Japan ICT Engineers' Training)
	
	Project Overview: Addresses current B-JET website shortcomings by connecting past B-JET graduates with IT students in Bangladesh.
	
	   o **Important Notices:** Admins manage notices for the new B-JET batch.
	
	   o **About Section:** Admins update images and texts in the "About B-JET" section.
	
	   o **Resources:** Admins post important B-JET webinars, sessions, and success stories with markdown support.
	
	   o **Break The Barrier:** Resources to bridge Bangla and Japanese language and culture.
	
	   o **Profiles & Messaging:** IT students can view B-JET graduate profiles and send messages.
	
	   o **Community Section:** Users can post and view other posts.
	
	Project Link： https://github.com/Nayem73/My-custom-BJET-website
	
	Total Number of Members：1
		Backend: Java, Spring Boot, Maven, Spring Data JPA, JWT (JSON Web Tokens), Spring Security
		
		Frontend: React, Redux, React Router, Axios
		
		Database: MySQL
		
		Containerization: Docker
			My Role: Full Stack Development
			
			Name of Part:
			• Designed and developed the entire application.
			
			• Managed REST APIs.
			
			• Integrated MySQL database
			
			• Implemented JWT authentication and Spring Security.

2023/12
–
2024/03
(4 Months)
	Project Title: An Empirical Study of Deep Learning Models for Large Scale Remote Sensing Image Classification (Thesis / Research)
	
	Project Overview: Identified the best-performing CNN models for large-scale remote sensing images.
	
	   o **Model Experimentation & Selection:** experimented with deep learning CNNs using 8 remote sensing image datasets.
	
	   o **Fine-Tuning and Hybrid Model Creation:** Trained the effective layers of top-performing models. Combined the best two models to create a hybrid model.
	
	   o **Overfitting Prevention:** Different end layers were added.
	
	   o **Optimization Techniques:** Added Image dimensionality reduction methods.
	
	   o **Dataset Assessment:** 8 merged datasets (64 classes) were compared with standalone and fine-tuned hybrid models.
		Python, CNN, Keras, Fine-Tuning, Google Colab	**My Role:** Research
			
			Name of Part:
			• Experimented with different models.
			
			• Fine-tuned architectures
			
			• Created fine-tuned hybrid models.
			
			• Evaluated performance metrics.

	o **Evaluation Metrics:** Assessed by train/test accuracy, precision, recall, f1-score, confusion matrix, and loss-accuracy curves. **Project Link:** https://github.com/Nayem73/My-Thesis **Thesis Book Link:** Thesis Book **Total Number of Members: 2**		
2023/07 – 2023/10 (3 Months)	**Project Title:** AI-Farming **Project Overview:** Users upload plant leaf images for disease prediction and treatment recommendations. Includes a business model. o **AI Disease Prediction:** Predicts diseases for 5 plant species, covering 21 diseases. o **Detailed Disease Information:** Provides symptoms, causes, treatments, medications, and visuals for each disease. o **User Community Engagement:** Users can post experiences and view others post. o **Business Model:** 20 free predictions per month. Unlimited searches with a 500 Tk subscription. o **Admin Control:** Admins manage users, crops, diseases, reviews, and subscription. **Project Link：** https://github.com/Nayem73/AI-Farming **Total Number of Members：2**	**Backend:** Java, Spring Boot, Maven, Spring Data JPA, JWT (JSON Web Tokens), Spring Security **Frontend:** React, Redux, React Router, Axios **Database:** MySQL **Payment Gateway:** SSLCOMMERZ **Containerization:** Docker	**My Role:** Backend Development **Name of Part:** • Designed and developed backend architecture. • Created and managed APIs. • Communicated with FastAPI server for AI-Search. • Integrated SSLCOMMERZ payment gateway. • Utilized GitHub for version control. • Collaborated with the other team member.
2023/04 – 2023/06 (3 Months)	**Project Title:** BPL Dashboard **Project Overview:** Provides match info for all teams in the Bangladesh Premier League (BPL) from 2012 to 2022. o **Match Info:** Team names, dates, venues, scores. o **Latest Matches:** Details for a chosen team. o **Year-Based Match Filtering:** All matches played by the team in a selected year. **Project Link:** https://github.com/Nayem73/BPL_Dashboard_SPRING_REACT **Total Number of Members: 1**	**Backend:** Spring Boot, Spring Batch, Spring Data JPA **Frontend:** React	**My Role:** Full Stack Development **Name of Part:** • Architecting and building the backend, frontend and overall infrastructure.

2022/12 – 2023/03 (4 Months)	**Project Title:** Rent Anything! **Project Overview:** Users can rent different type of vehicles for a given period of time. **Project Link:** https://github.com/Nayem73/RentAnything-spring-angular **Total Number of Members: 1**	**Backend:** Spring Boot, Spring Data JPA **Database:** MySQL **Frontend:** Angular	**My Role:** Full Stack Development **Name of Part:** • Architecting and building the backend, frontend and overall infrastructure.

| Training　受講した研修

Training Title	Location	Institute	Duration
Competitive Programming - Intermediate	Remote	Dev Skill	2019/02 – 2019/06 (5 Months)
Spring Boot for Beginners	Remote	Amigoscode	2023/04 – 2023/04 (1 Months)
Spring - Ecosystem and Core	Remote	LearnQuest	2023/05 – 2023/06 (2 Months)
Spring MVC, Spring Boot and Rest Controllers	Remote	LearnQuest	2023/06 – 2023/07 (2 Months)

| Language Skills 言語スキル

Language	Reading	Writing	Listening	Speaking
Bengali	Excellent	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent	Excellent
Japanese	Basic	Basic	Basic	Basic

| Professional Certification 資格や検定

Title	Institute	Date
Competitive Programming - Intermediate	Dev Skill	2019/06
React (Basic)	HackerRank	2024/05

| Special Achievements 受賞歴など

- **Therap Javafest 2023 – Finalist (Among the Top 10 Teams Nationwide)**
  - Passed rigorous online screening tests.
  - Formed a team of 2 members.
  - Developed "AI-Farming" within 3 months.
  - Utilized GitHub throughout the competition.
  - Presented "AI-Farming" in the Grand Finale.

- **KYAU National Hackathon 2023 – 4th Place Nationwide**
  - Participated in a rigorous 24-hour coding contest.
  - Formed a team of 3 members.
  - Developed the "Smart Village" platform:
    - Online marketplace.
    - Digital education and Healthcare services.

- - Crop management tips and training.
  - Crop disease detection.
  - Emergency notices.
  - **Expected Impact:** Employment, entrepreneurship, skill training, and community engagement.
  - **My role:** System design, backend development, and database management.

- **Solved 1000+ Programming Problems on Online Judges:**
  Successfully solved over 1000+ problems on LeetCode, UVA, AtCoder, Codeforces, LightOJ, Sphere Online Judge, Virtual Judge, CSES, CS Academy, CodePanja, others.

- **Achievement in competitive programming contests:**
  - Achieved top 17% in LeetCode contests by participating in 19 contests.
  - Attained a Codeforces rating of 1104 by participating in 30 contests.
  - Secured 2nd place within my university in the ACM ICPC Dhaka Regional Preliminary Contests.

- **Best in Arms Drill in BNCC (Bangladesh National Cadet Corps):**
  Secured top honors in the BNCC Arms Drill in Dhaka Flotilla.

- **Inter-District Cycling Achievements:**
  - Cycled from Khulna to Bagerhat.
  - Cycled from Pabna to Kushtia.

| Professional Interests 専門的な興味
- Real-world impact projects aimed at enhancing quality of life.
- Exploring AI and Machine Learning.
- DevOps and Continuous Integration/Continuous Deployment (CI/CD) methodologies.
- Algorithms and Data Structures.
- Leadership and team development strategies.

| Hobbies & Interests 趣味・興味
- Personal Coding Projects.
- Cycling.
- Creating Origami.
- Takoage (Kite Flying).
- Learning Nihongo.
- Watching Japanese anime. Favorite animes:
  - Dragon Ball Z (ドラゴンボール)
  - One-Punch Man (ワンパンマン)
- Playing Football, Cricket and Badminton.