Nobiul Islam Fihad *Software Engnieer*

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Objective

A proactive Software Engineer with hands on experience in backend development. I am committed to delivering impactful contributions in dynamic environments, with an unwavering passion for innovation and scalable architecture.

Technical Skills

Languages : Java, JavaScript (ES6+), Python, SQL.

Frameworks & Libraries : Spring Boot, Spring Security, Node.js, Express.js, FastAPI, MERN Stack.

Databases & Caching : MySQL, MongoDB, Redis.

Messaging & Middleware : ActiveMQ Artemis.

AI & Machine Learning : NLP, BanglaBERT, Hugging Face Transformers, Unsloth LLM, Pix2Pix

Work Experience

Junior Software Engineer, Iclique Solutions Ltd   2024 – Present
- Develop and maintain backend microservices for high-traffic **Fintech** applications using **Java** and **Spring Boot**
- Secure financial transactions and user data by implementing robust **Spring Security** (JWT) protocols.
- Optimize system performance and reduce database load by integrating **Redis** as a distributed caching layer.
- Manage asynchronous task processing and decoupled service communication using **ActiveMQ Artemis**.
- Design and optimize relational database schemas in **MySQL** for maximum data integrity and query efficiency.

Backend intern, Kathak Finance Website   2022 – 2023
- Engineered backend REST APIs for a finance management platform using **Node.js** and **Express.js**
- Managed unstructured financial data and user profiles utilizing **MongoDB**.
- Collaborated on the implementation of core business logic for budget tracking and expense reporting

Research Experience

Advanced Chatbot for Travel Agency (NLP)

- Developed an AI chatbot system utilizing **BertForToken** and **GPT Neo 125M** to automate agency queries.
- Enhanced performance via Intent Recognition and Named Entity Recognition (NER) models.
- Fine-tuned models using **Unsloth LLM** for efficient local deployment.

Projects

Al-Powered Image Colorization Bot

- Built a grayscale-to-color translation tool using **Pix2Pix GAN** and **DeOldify**.
- Deployed as an interactive **Telegram Bot** using **FastAPI** for real-time user interaction .

Tech Stack : FastAPI ,Streamlit, DeOldify

Education

Bachelor of Science (B. Sc) in Computer Science and Engineering,   2019 – 2024
BRAC University
CGPA: 3.12

Higher Secondary School Certificate (H.S.C.),   2016 – 2018
Bir Shrestha Noor Mohammad Public College
GPA: 4.17

Secondary School Certificate (SSC), St. Gregory's High School and College   2016
GPA: 5.00

Language

- **Bangla:** Native
- **English:** Proficient (Spoken and Written)