

Soumen Maity

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Objective

Computer Science student with practical experience in software development, machine learning, and mobile application development. Skilled in building backend systems, Android applications, and data-driven solutions. Interested in opportunities where I can apply my knowledge in software engineering, backend development, AI/ML, and data science to develop scalable and intelligent applications.

Technical Skills

- **Programming Languages:** Java, Python
- **Data Science & AI:** Machine Learning, Deep Learning, Natural Language Processing, Transformers
- **Libraries & Frameworks:** NumPy, Pandas, Scikit-Learn, TensorFlow, NLTK
- **Technologies & Frameworks:** Spring Boot, Android SDK
- **Tools:** Android Studio, Jupiter NoteBook, Google Colab, Git, Postman, VS Code, PostgreSQL

Projects

MedicalAi (User-based)

Tech Stack: Android(Java), Spring Boot, Transformer, Hugging Face, Pandas, Scikit-Learn

- Developed an AI-powered healthcare Android application with integrated backend services.
- Built an **AI chatbot using LangChain with Groq LLM API** for medical queries.
- Implemented a **symptom-to-disease prediction system using a transformer model**, achieving ~94% accuracy.
- Developed a **health score prediction model** based on user health data stored in PostgreSQL (~78% accuracy).
- Implemented **doctor booking system and medicine information search** features.
- Designed UI prototypes using **Figma and AI-assisted tools (Stitch, Antgravity)** and implemented layouts in Android.

Spam Classifier

Tech Stack: Google Colab, Pandas, NLTK, Scikit-Learn

- Built an NLP-based machine learning model to classify spam emails.
- Applied feature extraction techniques including **Bag of Words, TF-IDF, Word2Vec, and AvgWord2Vec**.
- Trained a **Random Forest Classifier**, achieving **97% accuracy**.

ListOnGo – Shopping List Android Application

Tech Stack: Android (Java), Spring Boot, PostgreSQL

- Developed a cross-device shopping list management Android application.
- Implemented backend REST APIs using Spring Boot.
- Integrated PostgreSQL database for real-time CRUD operations and data synchronization.

Education

BCA| Jis University | 2023 – 2026 | CGPA: 7.59*

Certifications

- **Android Development** – Self Learning
- **Java Programming** – Udemy
- ***Complete Data Science, Machine Learning, DL, NLP Bootcamp** - Udemy

Soft Skills

- Teamwork, Problem-solving, Communication, Time Management

Language

- Bengali(10), English(7), Hindi(8)