Protick Kumer Dey

✉ protick.kumerdey@gmail.com | ▯ +8801680420147
⬡ github.com/protickcse22 | in linkedin.com/in/protickcse22

Summary

Experienced Software Engineer with 5+ years of proven expertise in AI, Mobile, and Backend development. Adept in machine learning, deep learning, MLOps, and prompt engineering. Committed to delivering robust, scalable solutions that align with business objectives and modern AI technologies.

Skills

Languages: Python, Java, C++, SQL
Technologies & Tools: Django, FastAPI, Android, Git, Docker, REST APIs, SQLite, EfficientDet, TensorFlow, PyTorch
AI & ML: Generative AI, Prompt Engineering, MLOps, Deep Learning, Machine Learning
Soft Skills: Critical Thinking, Communication, Clean Code Practices, Team Collaboration

Work Experience

Senior Software Engineer – AI Team   *BJIT Ltd.*
[October 2019 – Present]

- Developed face detection, blurring, and mask detection features.

- Designed REST APIs, optimized code for Linux deployment.

- Worked on Prompt Engineering for Jasmy Labo, used EfficientDet for image feature extraction.

- Asahi Denso PoC: Trained sensor data model, implemented voice command.

- Contributed to Pocketalk Android UI and API consumption modules.

Projects

Malaria Detection PoC: Developed a proof-of-concept system using deep learning to classify malaria-infected cells in blood smear images. Trained a convolutional neural network (CNN) on labeled microscopic data to achieve high detection accuracy, supporting early diagnosis and healthcare automation.

Second-Hand Car Price Detection: Developed a machine learning model to predict used car prices based on parameters such as brand, mileage, fuel type, and year of manufacture. Implemented regression algorithms to provide accurate pricing estimates, enhancing decision-making for both buyers and sellers.

Education

Bachelor of Science (BSc), Computer Science and Engineering
Jahangirnagar University (JU)   2013 – 2018

Certifications

- Complete Generative AI Course With Langchain and Huggingface - Udemy

- Professional Scrum Developer I (PSD I)

- Deep Learning Specialization – Coursera

- IS-101: Information Security – BJIT Limited

- Soft Skills Training: Business Etiquette, Problem Solving, Communication