AMIR SOHEL

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Github | LinkedIn

PROFESSIONAL SUMMARY

AI-focused B. Tech student passionate about developing real-world tools using machine learning and full-stack technologies. Built NLP-powered healthcare assistant, AR application, and safety-focused computer vision systems. Adept in Python, Java, and AI frameworks. Seeking an internship opportunity to transform technical skills into industry impact.

EDUCATION

BACHELOR OF TECHNOLOGY – ARTIFICIAL INTELLIGENCE

Amity School of Engineering and Technology, Kolkata | 2022 – 2026(expected)

TECHNICAL SKILLS

Programming Languages: *Python, Java, SQL*
Operating System: *Windows, Linux*
AI/ML: *PyTorch, Tensorflow, Scikit-learn, OpenCV, YoloV8*
Version Control: *Git, GitHub*
Database: *MySQL, Oracle*

PROJECT EXPERIENCE

Discharge Summary Chatbot
Developed an AI powered chatbot integrated with Hospital Management Systems to automate the patient discharge summaries.
- *LLMs (Llama3-70B) for context-aware summary creation using structured patient data.*
- *Generated editable, doctor-verified PDFs, improving hospital workflow efficiency.*

AR MenuChef
Created an AR app to visualize 3D food models from physical menu cards.
- *Utilized Unity and Vuforia SDK with C# scripting to create immersive dining experiences.*

Accident Detection: *Trained YOLOv8 models on a dataset of 2000+ images for real-time accident detection.*
- Enhanced model accuracy for safety-critical applications in transportation.

CERTIFICATIONS

- *Machine Learning – Andrew Ng (Coursera)*
- *Python Programming (Udemy)*
- *Java programming (Apna College)*

ACHIEVEMENTS

- *Secured 2nd place in a college-organized inter-college hackathon with a VR-based food menu scanner project.*

ADDITIONAL INFORMATION

- **Languages:** *English, Bengali, Hindi*
- **Interests:** *Movies, Books*