AYUSHMAN CHAKRABORTY

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LinkedIn | Github

Profile Summary

B.Tech 3rd-year Computer Science undergraduate and professional cricketer with experience in data science, analytics, and machine learning. Proficient in Python, SQL, and data visualization with a focus on insight-driven decision-making. Combines discipline, teamwork, and analytical problem-solving to deliver data-backed solutions.

Skills

Languages :	**Python, SQL (MySQL, PostgreSQL), TypeScript, C, JavaScript**
Frameworks & Libraries:	**Next.js, LangChain, LangGraph, TensorFlow, PyTorch, HuggingFace Transformers, LlamaIndex, spaCy, NLTK, Streamlit, FastAPI, scikit-learn, Pandas, NumPy**
Technologies and tools :	**Large Language Models (LLMs), Agentic AI, MLOps, Retrieval-Augmented Generation (RAG), Docker, Model Context Protocol (MCP), MongoDB, Git, MLflow, Azure OpenAI API**
Soft Skills :	**Analytical Thinking, Problem-Solving, Communication Skills, Adaptability**

Work Experience

Data Science Intern   **Jul 2024 - Sep 2024**
1stop.ai (Remote)

- Performed EDA on credit-related datasets to identify financial patterns and inform decisions.
- Built and optimized supervised ML models for hate speech and SMS spam detection, improving classification accuracy.

Data analytics & Gen AI Intern   **Jun 2025 - Jul 2025**
Wipro (Bengaluru, India)

- Developed and implemented Generative AI solutions leveraging LLMs, LangChain, and Agentic AI architectures to create intelligent workflows.
- Engineered and integrated AI agents for real-world applications, ensuring optimal performance and scalability.

Education

- **Manipal Institute Of Technology**   **Jul 2023- Expected 2027**
  B.Tech in Computer Science with specialization in Data Science

- **Delhi Public School**   **Jun 2015 - Mar 2023**
  Middle - High School

Project Work

- **AI Autoblog (July- 2025)**
  - Built an AI powered assistant that converts tech videos into structured blogs with code snippets, reducing review time.
  - Implemented speech to text transcription, frame extraction using OpenCV, and snippet summarization for the extracted code with Microsoft Azure OpenAI LLM, blog generation using Langchain and Deployed on Streamlit.

- **Car Crash Damage Predictor (June- 2025)**
  - Developed a multimodal AI system using CNNs, YOLOv8, and OpenCV to analyze car crash images, classify damage severity, and predict repair costs with high accuracy.
  - Integrated an LLM (LangChain + Azure OpenAI) for repair reports and deployed via FastAPI and Streamlit on Docker.

Certifications

- **AI Engineer For Data Scientists (Datacamp 2025)** Link
- **MLOps Deployment and Life Cycling (Datacamp 2025)** Link
- **Model Context Protocol (Anthropic 2025)** Link