Aniruddha Dhar Chowdhury

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Summary

Aspiring Software Engineer with hands-on experience in machine learning, natural language processing, and scalable system design.

Education

Techno International Newtown **August 2021 – July 2025**
Bachelor of Technology in Computer Science and Engineering *Newtown, West Bengal*

Holy Cross School **August 2020 – July 2021**
Pure Science *Kolkata, West Bengal*

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, TypeScript, SQL
Developer Tools: AWS, Google Cloud Platform, Docker, Jenkins
Technologies/Frameworks: TensorFlow, Scikit-learn, PyTorch, ReactJS, NextJS

Experience

Budlinks Private Limited **March 2023 – April 2023**
Flutter Developer Intern *Remote*

- Developed and optimized responsive front-end interfaces for Famelinks and Mudda apps using Flutter, enhancing user experience and functionality.
- Collaborated with backend teams to integrate APIs and streamline data flow, ensuring smooth and efficient app performance.
- Implemented UI components with a focus on accessibility, scalability, and clean design principles to improve user engagement and app reliability.
- Identified and resolved performance bottlenecks, reducing app load times and improving overall responsiveness.

Radiant TechSolutions **July 2024 – September 2024**
Human Resources Intern *Remote*

- Monitored and provided guidance to sales interns, setting performance benchmarks and assisting with goal achievement.
- Conducted recruitment processes for new sales interns, from sourcing candidates to conducting initial interviews, enhancing team effectiveness.
- Performed data analytics on intern performance and project metrics, providing actionable insights for process improvement and team efficiency.

Projects

HeartNet: Deep Learning Framework for Heart Disease Prediction

- Developed HeartNet, a novel deep learning model incorporating CNN, GRU, Bi-LSTM, and attention mechanisms for heart disease prediction.
- Achieved 90.4% accuracy, 0.90 F1-score, and 0.96 AUC-PR on the UCI Heart Disease dataset, demonstrating state-of-the-art performance.
- Designed advanced preprocessing techniques, including missing value imputation, SMOTE for class balancing, and polynomial feature engineering.
- Optimized the model using the Adam optimizer and evaluated performance with precision-recall curves and other key metrics.

Multi Document RAG Chatbot

- Implemented Retrieval-Augmented Generation (RAG) to extract structured data from PDFs for question-answering applications.
- Built an AI-powered chatbot using the LLAMA model to provide accurate answers based on extracted content.
- Designed an interactive user interface using Streamlit, enabling seamless interaction with the chatbot.

Certifications

- "Getting Started With Aritficial Intelligence" by IBM SkillsBuild.
- "Introduction to Kubernetes and Cloud Native Technologies" by The Linux Foundation.
- "Cloud Technical Essentials" by AWS.