

ADHISREE PAUL

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PROFESSIONAL SUMMARY

B. Tech Engineer with 3+ years of hands-on experience in full-stack web development and Artificial Intelligence, with projects ranging from web apps to NLP and Agentic AI systems. Seeking opportunities in Software Engineering and AI/ML roles.

EDUCATION

UNIVERSITY OF ENGINEERING AND MANAGEMENT, KOLKATA

Bachelor of Technology in Computer Science.

Specialization in Artificial Intelligence and Machine Learning; Cumulative GPA: 8.2/10.0;

New Town, West Bengal

Expected August 2026

WORK EXPERIENCE

CollegeTips.in - AI Intern

May 2025 - June 2025

- Deployed an AI chatbot for a digital literacy initiative, resulting in the onboarding of 50+ elderly individuals.
- Leveraged React Native for mobile app development. Implemented Gemini API and Dialog flow for smooth interaction. Utilized Google TTS API for text-to-speech, which increased user experience by 50%.
- Created a full-stack website for a pet-friendly city campaign, gaining and handling 100+ users in a week.
- Engineered a Flask API backend with Python, optimizing data retrieval from the SQLite database for the pet-friendly city website, reducing average page load times by 700 milliseconds.

RELEVANT EXPERIENCE

Lead UI/UX Designer - FitCoin Project for Diversion2k25

- Designed the UI for a fitness incentive platform in the annual hackathon, utilizing Figma for website and mobile application design in a 36-hour deadline.
- Increased user engagement by 30% through the implementation of interactive games within the platform.
- Prepared a comprehensive 10-page documentation and analytical insights that serve as a reference for other developers.

PROJECTS

Beyond Price - Sentiment Aware Reinforcement Learning Trading Agent [\[GitHub Link\]](#)

- Integrated fine-tuned FinBERT sentiment analysis into PPO reinforcement learning agents using Stable Baselines3 and Gymnasium, leading to a demonstrable improvement in trading decision-making.
- Achieved ~24% higher Sharpe Ratio, ~34% higher Sortino Ratio, and improved risk-adjusted returns by back testing.
- Combined Pandas and Plotly to build a robust framework to fix the three biggest causes of crashes within the trading system.

Classy.img - React & Flask-based Image Classifier

- Engineered a full-stack, real-time image classification system for live video capture with a ~90% accuracy.
- Integrated a pre-trained ResNet50 deep learning model using Keras and TensorFlow to perform real-time object recognition on video frames, returning predictions to the user interface built with React.
- Technologies used: Python, Flask, Keras, TensorFlow, React.js, JavaScript, Pillow, HTML, CSS.

SKILLS

Software Development Skills: Python, MongoDB, ExpressJS, ReactJS, NodeJS, SQL, Flask, HTML, CSS, TailwindCSS

AI & Machine Learning Skills: Natural Language Processing, Reinforcement Learning Algorithms, Supervised Learning and Unsupervised Learning, Data Handling and preprocessing

Data Analysis Techniques: Data Structures & Algorithms; Database Management Systems

CERTIFICATIONS

AWS Solution Architecture Job Simulation

May 2025

TATA GenAI Powered Job Simulation

June 2025

Deloitte Technology Job Simulation

April 2025

DIVERSION2K25 ~ MLH Certificate of Participation

March 2025

UCODE 7.0 ~ CodeChef Certificate of Participation

February 2024

Hack Hive Hoopla ~ Certificate of Participation

March 2024

Ureckathon 4.0 ~ Certificate of Participation

March 2024