Wrishita Paul

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EDUCATION

VIT Bhopal University — 2022 – 2026
Bachelor of Technology - Computer Science and Engineering

Kalyani Public School, Barasat — 2021
CBSE - 12th Grade — *Percentage: 91.6%*

Adamas World School, Kolkata — 2019
CBSE - 10th Grade — *Percentage: 96%*

EXPERIENCE

Omdena VIT Bhopal Chapter — Aug 2024 – Sep 2024
Junior Machine Learning Engineer

- **Multilingual AI Chatbot**: Built a multilingual AI chatbot for Bhopal's BRTS using Python and Streamlit, enabling commuters to query routes and locate stations via web and Telegram bot (@bhopal_brts_bot).
- **Real-Time Navigation**: Integrated real-time "Locate Me" and map-based route visualization features using geolocation APIs to enhance commuter navigation and accessibility.
- **Bilingual Interface**: Contributed to cross-functional development of a bilingual interface (Hindi/English), improving usability for diverse user groups and increasing engagement during pilot testing.

PROJECTS

LegalSphere
Python, LangChain, React.js, MongoDB, RAG Model

- **AI-Powered Legal Research**: Analyzed over 280K Indian commercial cases using a Retrieval-Augmented Generation (RAG) model.
- **Chatbot Interface**: Built a chatbot interface with visualizations (tree, map, timeline, evidence board) to present case insights in a structured, accessible format.
- **Efficiency Improvement**: Enabled faster legal analysis and PDF generation, improving efficiency for lawyers and researchers during internal testing.

LinkUp
React.js, Node.js, WebSockets, Firebase, PostgreSQL

- **Matchmaking Platform**: Created a matchmaking platform for startups and job seekers with swipe-based navigation and real-time messaging.
- **ML-Based Recommendations**: Integrated ML-based job recommendations and interview scheduling to enhance user experience and streamline hiring.
- **Security and Deployment**: Deployed a responsive and secure system supporting user authentication, role-based access, and encrypted communication.

TECHNICAL SKILLS

Languages: Python, Java, C++, C
Libraries/Frameworks: NumPy, Pandas, Scikit-learn, Matplotlib, TensorFlow, PyTorch, Streamlit, React, Flask
Tools: VS Code, Git, Matlab, Tableau

CERTIFICATIONS

Cyber Security Analyst - IBM

Applied Machine Learning - Coursera

Problem Solvers: Exploring Data Structures and Algorithms - Faceprep

Privacy and Security in Online Social Media - NPTEL

EXTRA-CURRICULAR ACTIVITIES

Lead of Editorial Team of AI Club, VIT Bhopal University.

Human Resources Lead of Omdena VIT Bhopal Chapter.

Volunteered for fundraising for children-at-risk shelter homes for their holistic development, Muskurahat Foundation.