

Wrishita Paul

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EDUCATION

VIT Bhopal University

Bachelor of Technology

Major in Computer Science; Minors in AI ML

Cumulative GPA: 8.55/10

Bhopal, Madhya Pradesh

Expected September 2026

TECHNICAL SKILLS

- **Languages and Frameworks-** Java (DSA), Python, Flask, TensorFlow, PyTorch, HTML
- **Tools-** VS Code, Git, Matlab, Tableau
- **Databases-** SQL

WORK EXPERIENCE

IIIT Guwahati

Machine Learning Researcher

Remote

May 2024 – Oct 2024

- Analyzed priority-based, layer-wise social network connections using graph modeling and relational data
- Utilized PCA and statistical correlation for feature engineering, improving predictive accuracy and revealing social interaction trends.

Omdena VIT Bhopal Chapter

Junior Machine Learning Engineer

Remote

Aug 2024 – Sep 2024

- 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.
- Integrated real-time "Locate Me" and map-based route visualization features using geolocation APIs to enhance commuter navigation and accessibility and contributed to cross-functional development of a bilingual interface (Hindi/English), improving usability for diverse user groups and increasing engagement during pilot testing.

PROJECTS

Legal Sphere: (Tech Stack: 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: (Tech Stack: 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.

CO-CURRICULAR

Technical Clubs (AI Club, Fintech Club, Freelancing Club)

VIT Bhopal

Editorial Team Lead: (AI Club)

Jan 2023- May 2025

- As **Chief Editor** of bi-yearly magazine, directed editorial strategy, managed content production, and led a team of writers to deliver high-quality, engaging publications on schedule.

Content Team Lead (Freelancing Club)

- Led and mentored a team of content creators, enhancing the club's online presence and member engagement through strategic content development.

ADDITIONAL

Languages: English, Bengali, Hindi

Certifications: Cyber Security Analyst(IBM), Applied Machine Learning(Coursera), Privacy & Security in Online Social Media(NPTEL)