Priyanshu Mishra

B.Tech Computer Science Student
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Education

VIT Bhopal Expected June 2026
Bachelor of Technology in Computer Science · GPA: 8.39 / 10.00

Technical Skills

- **Languages:** C++, Python
- **Frameworks & Libraries:** Django(django restframework), Fast API, LangGraph, TensorFlow
- **Technologies:** Deep Learning, Vector Database(Pinecone), MySQL , Firebase

Experience

Emilio Beaufort – AI and Automation Intern *July 2025 – October 2025*

- Engineered a **Flask-based generation pipeline** using **Pinecone**, **Gemini Pro**, and **LangGraph** that accelerated sales outreach response time by **70%** as part of a CRM system overhaul, incorporating automation for lead generation and lead dropping to streamline prospect identification and qualification processes.
- Implemented intelligent follow-up automation that parses previous conversations to personalize and generate context-aware next interactions with leads, ensuring seamless continuity and higher engagement rates.
- Integrated **Google Calendar autoscheduling** to automatically book and manage sales meetings based on availability, reducing manual coordination efforts and improving overall scheduling efficiency.
- Streamlined sales operations by automating the generation of daily customer call reports, delivering immediate, actionable insights to managers and enhancing team-wide data accessibility.
- **Tech Stack:** Python, Flask, Pinecone, Gemini Pro, MongoDB, LangGraph, FAST API.

Projects

Vapour Composition Prediction using PINNs *September 2025*

- Architected a Physics-Informed Neural Network (PINN) in **PyTorch** to accurately predict Vapor-Liquid Equilibrium (VLE) for the complex ethanol-water azeotropic system.
- Innovated a custom, physics-informed loss function that embedded Modified Raoult's Law, enforcing thermodynamic consistency and boosting model accuracy.
- Validated the model's high performance by predicting the azeotrope with **¡2% error** and achieving a Mean Absolute Error (MAE) of **0.052** on the hold-out test set.

Find Your Man – Intelligent Candidate Shortlisting Platform *Jan 2023 – Apr 2023* **Find Your Man – Intelligent Candidate Shortlisting Platform** *Jan 2023 – Apr 2023*

- Spearheaded the development of an AI-driven candidate shortlisting platform with **Django** and **TensorFlow**, automating the screening and ranking of resumes against job descriptions.
- Accelerated recruitment efficiency by **30%** by integrating **BERT-based embedding models** to intelligently parse resumes and score candidate-job description alignment.
- Orchestrated a robust backend using **MySQL** and **Scikit-learn** for predictive analytics and implemented simple backend parsing using **Django RESTful API** to ensure seamless data processing and integration, empowering data-driven hiring decisions.

Achievements

- Ranked in the top tier of competitive programmers with a **1600+ LeetCode rating**, mastering 200+ DSA problems in 3 months.
- Secured a **top 4 finish among 100+ participants** in the Intra-VIT DSA Coding Contest.
- Demonstrated teamwork and discipline as a key player on the university's basketball team.
- Coordinated and executed technical events as a core member of the Open Source Club's Organizing Committee.