

Priyanshu Mishra

B.Tech Computer Science Student

Mobile: 8081335178 · Email: priyanshumisra2022@vitbhopal.ac.in

GitHub: <https://github.com/Kerbecs>

Education

Vellore Institute of Technology (VIT), Bhopal

Expected Jun 2026

Bachelor of Technology in Computer Science · GPA: 8.39 / 10.00

Technical Skills

- **Languages & CS Core:** C++, Python, Computer Networks, Data Structures & Algorithms
- **AI & Machine Learning:** Agentic AI (LangGraph), Deep Learning (TensorFlow, Keras), Machine Learning
- **Web Development & Databases:** FastAPI, Django, MySQL, REST APIs, Backend Architecture

Experience

Emilio Beaufort - Agentic AI CRM System

July 2025 - Oct 2025

- Engineered an **Agentic AI CRM** pipeline using **LangGraph** and **Gemini** for **automated customer segmentation** and **intelligent campaign mapping**.
- Deployed **Intelligent Next-Action Agents** to generate **context-aware suggestions** (Call Scripts, Email Templates) by analyzing customer interaction history.
- Developed a **Manager Dashboard** featuring **real-time AI-powered lead classification** (Hot-Cold) based on conversation summaries for sales prioritization.

Projects

Find Your Man — Student Tracking System

March 2023

- Architected a secure **Django REST API** with **JWT, OAuth 2.0**, and **pagination**, backed by a normalized **3NF MySQL** using ORM in database for data integrity.
- Integrated **Rasa NLU** and the **Gmail API** to automate intelligent mailing alerts, reducing manual feedback iterations by **40%** via real-time notifications.

Multimodal Price Prediction

Oct 2025

- Engineered a data fusion pipeline in **PyTorch**, merging image features from **ResNet-50** and text embeddings from **BERT** to boost prediction accuracy by **30%**.
- Constructed a scalable training pipeline using **Pandas** and **Torch DataLoader** to efficiently handle large-scale datasets for the final MLP regression model.

Vapour Composition Prediction using PINNs

Sep 2025

- Developed a Physics-Informed Neural Network (**PINN**) in **PyTorch** for Ethanol-Water VLE prediction, achieving a final MAE of **0.052** (±2% error).
- Implemented a custom loss function integrating **Modified Raoult's Law**, embedding thermodynamic principles directly into the model for physical consistency.

Achievements Certification

- **AMAZON ML CHALLENGE 2025:-** Secured a top **17% national rank** (787 out of 4800+ teams), competing against talent from India's premier technical institutes in amazon hackathon.
- Attained a **1600+** rating on **LeetCode** completed 250+ dsa questions.
- Secured a **top 4** finish among **100+** participants in the Intra-VIT DSA Coding Contest.
- **Coursera: Bits and Bytes of Networking:** Coursera Certification on Networking.
- **Coursera: Neural Networks and Deep Learning:** Coursera Certification on Deep Learning.
- **Open Source Club Lead:** Member of core team and organized technical workshops, boosting club membership.
- **Sports:** Led my team to finals 3 times in a row in inter VIT Basketball competition.