

Pranjal Kumar

Shukla

Backend & ML
Developer

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Seeking to leverage my **machine learning and backend expertise** to address **AI model optimization** and develop scalable solutions in the **AI Prompt Engineer** position posted via college placement mail. I'm excited to deepen my understanding of academic stakeholders' challenges in AI. As of today, I am ready to contribute as a full-time AI Prompt Engineer

Education

Vellore Institute of Technology, Bhopal | Bachelor's of Technology *Bhopal, MP | September 2023 - Present*
Pursuing B.Tech in Computer Science & Engineering (AI & ML Specialization) Maintained a **9.0 CGPA** and actively participated in **coding and data science clubs**. Relevant coursework includes **Machine Learning, DSA, Computer Networks, and Database Management**.
Kendriya Vidyalaya Sidhi | Senior Secondary *Sidhi, MP | April 2022 - May 2023*
(PCM + Computer Science- Python) with 86% (CBSE Board)

Work experience

AICTE Edunet (IBM) | Machine Learning Intern *Remote | July 2024 - August 2024*

- Built a **fake news detection system** using Scikit-learn, achieving high accuracy, and deployed it on IBM Cloud.
- Gained hands-on experience in supervised learning, data preprocessing, ai automation and model deployment with **IBM Cloud tools**

Projects

- **E-Commerce Platform**: Developed full-stack e-commerce platform with role-based access (admin/user/seller), email verification, and notifications using Spring Boot, Thymeleaf, MySQL for database , html, css for frontend
- **Kubernetes Monitoring System**: Designed a two-tier application with Docker/Kubernetes clusters and visualized performance metrics using Grafana for proactive resource optimization.
- **House Price Prediction (Kaggle Competition)**: Built an ML model using advanced regression techniques, leveraging feature engineering and data preprocessing to achieve high-accuracy housing price predictions.

Skills

Technical: •Backend (Spring Boot, REST APIs, Hibernate, Eureka Cloud, Microservices basics) •Programming Language (Python, C++, Java, JavaScript, HTML & CSS-Thymeleaf) •Frontend: React •Machine Learning & Data Science (Matplotlib, Scikit-learn, CNN) •DevOps (Docker, Kubernetes, Gitlab) •Tools (Github, Dockerhub, Grafana, Notion) •Libraries(pandas, numpy, shutil, tkinter) | ■ *All professional proficiency or above*
Soft Skills: Communication(English, Hindi, Japanese), Active listening, Leadership, Brainstorming
Achievements & Extracurriculars

- **Smart India Hackathon 2023 Collage Finalist**: Led database design and ML implementation for a women safety app, featuring advanced gender recognition, anomaly detection, and real-time alert systems.
- **Project Exhibition Participant**: Led a team to develop and showcase Fake AI Detector, an ML-powered solution to identify fake audio. Managed backend development, database integration, and model deployment.
- **TCS Campus Event Volunteer**: Got opportunity to be a volunteer in TCS event.