DIVY PATTANI

AI/ML Engineer Intern | Generative AI & Full-Stack Applications

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Summary

AI/ML Engineer Intern with hands-on experience in full-stack development and AI-assisted applications, currently learning and applying Generative AI, LLM concepts, and prompt engineering to build scalable, real-world solutions.

Experience

AI/ML Intern – Peantus Square LLP *(Present)*
Working on **Generative AI features, chatbot workflows, and AI-assisted automation**. Supporting LLM integration in applications, applying **NLP basics and prompt engineering**, and contributing to the development and improvement of **production-ready systems**.

Technical Skills
• **AI/ML & GenAI**: LLMs, Prompt Engineering, NLP Basics, AI Agents (Learning**)**
• **AI Tools**: ChatGPT, Google Gemini, Claude, Microsoft Copilot
• **Backend:** Node.js, Express, Prisma ORM
• **Frontend:** React, TypeScript
• **Database:** PostgreSQL,MongoDB
• **Other:** Secure Authentication, Role-Based Systems

Projects
- **DeployWhisper (Hackathon Project):** Built an AI-powered deployment assistant automating project deployment without cloud expertise. Won 1st place at HACKNUTHON (Nirma University) and 1st Runner-Up at Nirma Hackathon.

- **AI-Powered Solar Energy Predictor (Hackathon Project)**: Developed ML-powered solution to predict solar energy using weather and environmental data. Implemented preprocessing, Random Forest/Regression models, and interactive visualization.

- **Learning Management System (LMS) – Full Stack** :
  Developed a production-ready LMS using React, TypeScript, Node.js, Prisma, and PostgreSQL with role-based access (Admin, Instructor, Student), real-time progress tracking, assignments, and automated PDF certificate generation.

- **E-Commerce Management System – Full Stack:**

  Built a secure E-Commerce Management System with authentication, role-based access, and real-time product, user, and order management, simulating real-world business operations.

- **House-Price Prediction (Individual)**: Created a Django web app to predict house prices using regression models and real-time interactive UI.
- **MyPortfolio (Individual)**: Designed and deployed a personal portfolio website showcasing skills and projects. Built with responsive design and smooth navigation.
- **MERN Excel Analytics (Individual)**: Built a full-stack MERN app to analyze Excel files with chart generation, file tracking, and real-time visualization

Achievements

- **Won 1st Runner-up** in the Open-Innovation Track at **Nirma University's 48-hour Hackathon**, competing among multiple teams.
- **Developed DeployWhisper**, an AI-powered deployment agent that automates app deployment with a **single command**.
- **Secured ₹10,000 prize** for **innovation, problem-solving, and technical excellence**.

Certifications & Technical Participation

- **21st Century Employability Skills Program** – Advanced Wadhwani Foundation.
- **Exploratory Data Analysis for Machine Learning**– IBM via Coursera.
- **Introduction to HTML, CSS & JavaScript**– IBM via Coursera.
- **Python Internship Program**– Baronial Talent Builders.
- **Frontend Developer Internship Program**– Micro Information Technology Services.
- **Hackovate LJ 2025** – Developed AI-powered Solar Energy Prediction System with Team CodeMatrix.

Education

- **Pursing B.Tech in Information Technology** – LJ Institute of Engineering and Technology (Sep 2024 – Present)
- **Diploma in Computer Engineering** – Ranchhodlal Chhotalal Technical Institute, GTU (Aug 2021 – May 2024), **CGPA: 6.9**