

# NIMIT JAIN

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## Education

### Vellore Institute of Technology

*Bachelor of Technology in Electrical and Electronics Engineering, CGPA:8.69*

**September 2021 – Present**

*Vellore, Tamil Nadu*

## Experience

### Jindal Steel and Power

*ML engineer*

**June 2024 - August 2024**

*Angul, Odisha*

- Worked as an Electrical Engineer to reduce power consumption in ReBar Mill by 1 unit per tonne, saving up to 5 lakh rupees and implemented a dashboard analysis to show equipment pattern and usage on Power BI

### Shodhblabs

*Data Engineer*

**January 2024 - April 2024**

*Remote*

- Collaborated with a 15-member team in developing a Math Language Model by scraping data from Toppr.com and integrated it into a model API with Retrieval Augmented Generation (RAG) for enhanced functionality.

### Yash Technologies

*AI/ML engineer*

**October 2023 - December 2023**

*Onsite, Indore, Madhya Pradesh*

- Developed a Git bot utilizing Git actions to analyze entire repositories, employing LLAMA for thorough reviews and code optimization. Conducted rigorous testing of 8 Language Models to ensure optimized performance.

### The Opportunities Portal

*React Web Developer*

**August 2023 - October 2023**

*Remote, Bangalore, Karnataka*

- Teamed up with 3 developers to design the main Landing page of the company and their product which 30+ colleges use.

## Projects

### IPL Data Map | Apache Spark, Amazon S3, MySQL, Python

**June 2024**

- Analysis of IPL data (2008-2017) using Amazon S3, Apache Spark, SQL, and Matplotlib. Built Spark pipelines, performed transformations using SQL, and created visualizations to reveal player performance and match outcomes.

### Grade Lens | Python, OCR, Pytorch, Streamlit, Javascript

**February 2024**

- Developed a system utilizing OCR for extracting student answers and a RAG model on LLMs for comparing them with an answer key, assigning marks. Deployed it as a Google extension for automated grading on the college website.

### Git code reviewer | Git Actions, Pytorch

**November 2023**

- Integrated Git actions (YAML workflows) with LLama to develop a code reviewer and optimizer, supporting 15 programming languages, which reduces review time by 80%, and deployed it on the marketplace.

## Certifications and Achievements

- Certification for Practical MLOps: AWS Mastery for Data Scientists
- VIT's Hack-a-tron(Hackathon) Winner and VIT's CODE-DOC(Hackathon) Winner
- TOP SQL 50 on LeetCode

## Extracurricular

### IEEE power electronics society

*Board Member*

**2024 - Present**

*VIT, Vellore*

- Led as the Technical Head for a college events club, overseeing the coordination of shows and interviews.

### Scope for Change (NGO) and Pawzz (NGO)

*Intern*

**August 2023 - September 2023**

- Served as a fundraising intern for an organisation assisting underprivileged children, earning a letter of recommendation.

### Drummer

- Certified drummer from Trinity School of London - Grade 3.

## Technical Skills

**Languages:** Python, MySQL, Java, HTML, CSS, ReactJS

**Technologies:** Pandas, NumPy, Snowflake, MS Excel, Tableau, Power BI, AWS-Sageamaker, Apache Spark, Databricks

**Concepts:** Generative Adversarial Networks, Data Analysis, Data Mining, NLP, Computer vision, Neural Networks, Machine Learning, Deep Learning, Web development, Data Structures, Cloud Computing, MLOps