

Pramod Mudugulla

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SUMMARY

Final-year IT student skilled in software engineering, algorithms, and backend development. Proficient in Python, Django, SQL, with experience in scalable applications, API development, and data pipelines. Currently pursuing a Microsoft Certification in TensorFlow & Azure AI. Seeking a Software Engineering role to apply problem-solving skills and build high-performance systems.

SKILLS

- **Programming Languages:** Python, SQL, Java, JavaScript
- **Backend Development:** RESTful APIs, Django
- **Databases:** PostgreSQL, MySQL, Amazon Redshift
- **Frontend Development:** MongoDB, React, Vite, HTML, CSS (Building expertise through projects)
- **System Design & Optimization:** Data Structures, Algorithms, Performance Tuning
- **AI/ML (Familiar):** TensorFlow, Keras, Scikit-learn

EXPERIENCE

Data Analyst intern

Recruit CRM

November 2024 - January 2025

- Developed and optimized SQL queries for data retrieval, improving database efficiency by 15%.
- Built Python scripts for data processing and automation, reducing manual workload by 20%.
- Designed and deployed client-specific dashboards in Metabase, enhancing data accessibility.

Engineering Intern

Teachnook

July 2023 - August 2023

- Designed and implemented backend APIs to support machine learning models in production.
- Improved data processing pipelines by optimizing SQL queries and reducing latency by 25%.
- Extracted and processed large datasets using Python (Requests, BeautifulSoup, Newspaper), reducing data collection time by 30%.

PROJECT

LoRA-Assisted Query Writing for Redshift & Metabase

Personal-Recruit CRM • December 2024 - January 2025

- Integrated **Oobabooga's Web UI** with a **Hugging Face 7B-parameter model** for **query generation**.
- Developed a **lightweight interface** to streamline **query recommendations**, enhancing **data exploration workflows**.
- Reduced manual query-writing effort and **automated custom expression** suggestions.

Interactive Learning Bot

Personal • August 2024 - August 2024

- **Built a real-time chatbot** with Flask and Python, improving response accuracy by 20%.
- **Implemented a self-learning feature** that grew the response database by 30% with each user interaction.
- **Developed the frontend** using React, HTML, CSS, and JavaScript, increasing user interaction time by 15%.

Image Classification - Face Recognition

Sreenidhi Institute of Science and Technology • June 2024 - June 2024

- Applied **wavelet transformation** for improved facial feature extraction, enhancing model accuracy by **10%**.
- Preprocessed and augmented datasets, achieving **95% dataset completeness**.
- Evaluated models with a peak accuracy of **79.88% using SVM-SVC**.

EDUCATION

Bachelor of Technology

Sreenidhi Institute of Science and Technology • Hyderabad • 2025 • 7.9

- Awarded full-fee scholarship for securing 9436th rank out of 3 lakh aspirants in the EAMCET exam.

CERTIFICATIONS

Microsoft Industry Certification (TensorFlow & Azure AI, Ongoing),
Machine Learning Foundations (AICTE-AWS Academy, 2024)

Git & SQL Bootcamps (Udemy),