Pedapalli Saam Prasanth Deeven

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Summary

Detail-oriented software engineer with over 2+ years at Reckonsys Tech Labs, skilled in Python Django, SQL, Solr, and Docker. B.Tech in Computer Science from IIIT SriCity, certified in AI (HCL Guvi) and DS (Internshala). Previous experience as DA and ML Intern at Technocolabs Softwares. Available for immediate joining.

Education

Indian Institute of Information Technology SriCity, Chittor   *Aug 2019 – May 2023*
B.Tech in Computer Science (GPA: 7.65/10.0)

Experience

Software Engineer   *Bengaluru, India*
Reckonsys Tech Labs   *Jul 2023 – Mar 2025*

- **Search Enhancement:** Deployed and Engineered Apache Solr, configured and implemented indexed keyword searches and diverse features included efficient wildcard queries boosted search performance by 50%.
- **Optimized Excel Process:** Architected and implemented asynchronous background tasks using Django and Celery to process complex operations on large Excel files, leveraging Redis for caching, which resulted in a 60% reduction in file upload time.
- **Automated Email Alerts:** Automated application health monitoring by setting up cron jobs for periodic status checks, which triggered email alerts for anomalies and enhanced error tracking efficiency by 40%.
- **Integrated SonarQube APIs:** Engineered an automated code quality workflow by integrating SonarQube APIs, which enforced quality gates and performed security vulnerability scanning across ongoing projects.
- **Fine-tuned LLMs with custom data:** Executed fine-tuning of LLMs on custom-curated datasets to develop bespoke AI solutions, significantly improving model performance and domain-specific accuracy.

Software Engineer Intern   *Bengaluru, India*
Reckonsys Tech Labs   *Feb 2023 – JuL 2023*

- Developed a full-stack Application Tracking System (ATS) using Django and Python, creating a platform for recruiters to post jobs and manage candidates and for job seekers to apply for positions.
- Engineered the front-end of the application with HTML, CSS, and JavaScript, designing more than 20 screens based on Figma models for a comprehensive user interface.

Projects

Text Summarization using NLP techniques   *Text Summarizer* ⧉

- Engineered a text summarization tool utilizing advanced Natural Language Processing (NLP) techniques to generate concise summaries from extensive documents, thereby increasing content accessibility.

Intelligent NLP-Based Question Generation   *Questions Generator* ⧉

- Built an NLP system to enable automated question generation and semantic search, using libraries such as Stanford CoreNLP and spaCy for NER and information extraction.

Technologies

Languages: Python, SQL, JavaScript.
Frameworks & Data: Django, PostgreSQL, Power BI, Linux, Celery, Redis, RabbitMQ, Apache Solr, Docker.
Developer Tools & Platforms: Git, Github, Postman, Vscode, Pycharm, DBeaver, Assembla, Jira, Canva.

Certifications

Data Science ⧉ - Internshala
Artificial Intelligence Combo Pack ⧉ - HCL Guvi