Aditya Mahendru

LinkedIn | amahendru17@gmail.com | Github

EDUCATION

SHIV NADAR UNIVERSITY
Delhi NCR
B.Tech Computer Science & Engineering
2020 - 2024
GPA: 8.49

SARDAR PATEL VIDYALAYA
Lodi Road, New Delhi
2019 | Class XII
Percentage: 93%
2017 | Class X
GPA: 9.4

SKILLS

LANGUAGES
Experienced:
Python • C# • JavaScript • C/C++ •
Familiar:
PHP • Java • HTML/CSS •

LIB/FRAMEWORKS
FastAPI • React • NodeJS • .NET
Framework • ASP Core • NumPy
MatPlotLib • Laravel •

DATABASES
PostgreSQL • FireBase • MySQL •
MongoDB • MariaDB •

INTERNSHIPS

• **Dell:**
- Developed an Incident Tracker to achieve 100% CI/CD pipeline visibility and reliability.
- Spearheaded a database purge tool for archival based on their data retention period affecting 100 TB of SQL data.

• **Accenture Labs:**
- Applied Deep learning models to the patterns in the EEG signals recorded for various people while watching a set of ads and predict their preferences

OTHER ACHIEVEMENTS

• Teaching Assistant for Operating Systems & CSD101.
• Named to Dean's List for Monsoon 2020, 2024 & Spring 2021 semesters.
• Managed a Successful Nationwide Gaming Tournament as a Team Lead.

WORK EXPERIENCE

DELL TECHNOLOGIES
FULL STACK DEVELOPER | 2024 - PRESENT
SOFTWARE INTAKE MIGRATION | FEBRUARY 2025
• **Skills:** TypeScript, PostgreSQL, NodeJS
• Migrated a legacy application backend from C# + MsSQL to TypeScript + PgSQL decreasing average response time by 80%.
• Rearchitected API structure to reduce redundancy and reduced the build-pack size by 40%.
• Translated complex Microsoft SQL Server (MsSQL) queries to PostgreSQL (PgSQL), maintaining functional accuracy and optimizing for performance and compatibility.

PACKAGE DEPLOYMENT AUTOMATION | DECEMBER 2024
• **Skills:** Python, Powershell, NodeJS, LangChain
• Implemented GenAI-powered LLM solutions to scrape multiple sources and extract silent installation switches for EXE and MSI packages.
• Built databases from Winget and Chocolatey for app deployment via Microsoft Intune and cover more than 4800 applications.

ASSET RECOMMENDATION SYSTEM | SEPTEMBER 2024
• **Skills:** Python, FastAPI, Kubernetes, Multithreading
• Developed a model to recognize under- or over-use of systems to generate asset recommendations and reduce costs by about 40%.
• Used FastAPI to develop a RESTful back-end and implemented Bulk Recommendation using multiprocessing libraries.

RELEVANT PROJECTS

F.R.I.D.A.Y. | A CODE ANALYSIS TOOL
Spring 2023 | GitHub
• **Skills:** Python, Subprocess, Multi-threading, JVM Optimization
• Built an application to automate grading coding assignments for university courses and reduce the checking time by 99.5%.
• Supported multiple languages including Python, Java, C & C++ optimized using multi threading libraries in Python.
• The front-end was designed using React and used Python for code analysis.

UNREK | UNIVERSITY RECOMMENDATION USING LLMS
Monsoon 2023 | GitHub
• **Skills:** LLMs, Prompt Engineering, LangChain
• Implemented a university recommendation system using LLMs to simplify the process of researching universities for post-grad with over 90% accuracy.
• Used Ollama to host a local LLM server and LangChain framework to add functionality and interface with the local server.

AMAZON | ML SUMMER SCHOOL
Summer 2022
• **Skills:** TensorFlow, NumPy, Pandas, Matplotlib
• Attended an intensive course on key ML topics like Supervised Learning, Deep Neural Networks, Probabilistic Graphical Models and Unsupervised Learning.
• Developed models to apply learned techniques on real-world datasets, including predicting customer behavior and optimizing product recommendations.