Ms Swaroop

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Experience

Karunadu Technology   **Sep 2024 – Oct 2024**
Machine Learning Intern   *Bangalore, KA*

- Conducted comprehensive data analysis and trained machine learning models on the dataset using a variety of algorithms.
- Successfully deployed high-accuracy models as fully functioning web applications following rigorous testing and validation. .
- Developed and integrated a production-ready application incorporating the successfully tested model.
- Significantly improved model accuracy by 70%, while simultaneously reducing training time by 10% through model fine-tuning.

Projects

AIBOM - AI Bill Of Materials | *Python, FastAPI, React*
- Designed and implemented a real-time AIBOM solution for automated Bill of Materials (BOM) generation.
- Developed a robust backend with FastAPI and an interactive frontend using React.
- Integrated PowerShell for security vulnerability scanning and model analysis to enhance system security.
- Implemented a DFS algorithm to efficiently process ZIP archives for comprehensive BOM generation.

Sentiment GPT | *Python, Hugging Face Transformers, GPT*
- Built a sentiment analysis application using Hugging Face Transformers for accurate sentiment classification.
- Designed an intuitive user interface to enable seamless user interaction and sentiment input.
- Integrated a GPT model to analyze text and classify sentiment as positive, negative, or neutral.

Recipe Management System | *Django, Python, CSS*
- Developed a secure recipe management system using Django, allowing users to store and manage recipes.
- Implemented full CRUD (Create, Read, Update, Delete) functionality for efficient recipe handling.
- Integrated authentication and authorization mechanisms to ensure secure access and prevent unauthorized modifications.
- Designed a user-friendly interface to enhance usability and accessibility.

Technical Skills

Languages: Python,JavaScript
Frontend: HTML,CSS,Bootstrap
Backend: Django,SQL
Cloud: AWS

Achievements

- Leetcode contest ranking 1445
- Cracked 3 rounds of interviews at Amazon for the SDE1 role.
- Secured 78th rank (non-GATE) in M.Tech entrance examinations.
- Shortlisted out of 1000 students for a summer internship at Goldman Sachs.
- Qualified JEE Mains 2020.

Education

Ramiah Institute Of Technology   **2024-2026**
MTech in Computer Science and Engineering(CSE)
RR Institute Of Technology   **2024-2026**
B.E in Computer Science and Engineering(CSE)   *Cgpa:8.69*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Computer Architecture
- Virtual Reality