Guna M

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Education

Loyola College, Chennai — Expected graduation date: March 2024
M.Sc. in Data Science | Link to all courses
Relevant Courses: Machine Learning, Deep Learning, Natural Language Processing, Statistics & Probability, Mathematics, Python, Databases (SQL & NoSQL), Big Data Analytics, Cloud Computing (AWS & Microsoft Azure)

D.R.B.C.C.C. Hindu College, Chennai — July 2019 - March 2022
Bachelor of Computer Applications
Relevant Courses: Mathematics, Programming Languages (c, c++, java, JavaScript, Python), Database Management, Operating System (Linux), Front-End Technologies (HTML, CSS), Mobile Application Development

Experience

IXC Digital — Dec 2023 - Present
Large Language Model Intern — *Python, HTML, CSS, JavaScript, Data Extraction, OpenAI, Generative AI*

- Currently executing a successful Proof of Concept (PoC), reducing redirects by 30%, and boosting completion rates by 25%, utilizing OpenAI and headless browsers.
- Actively implementing seamless job applications, saving 40% of time through AI-driven form pre-filling and OpenAI-powered automation.

Tailwinds — May 2023 - June 2023
Software Engineering Intern — *Python, Streamlit, LLM, Google Palm, OpenAI, GPT, Generative AI*

- Explored Large Language Models (LLM) capabilities, leveraging models for project goals. Led Proof of Concept (POC) for Terraform/IaC scripts with OpenAI, achieving a 20% reduction in deployment time.
- Played a pivotal role in Prompt Engineering, optimizing language prompts for enhanced model outputs and effective results, resulting in a 15% improvement in response accuracy.

Projects

End To End Diabetes Mellitus Prediction — *Nov. 2023*
Python, Scikit-Learn, Pandas, NumPy, XGBoost, Streamlit, Git

- Employed machine learning techniques, achieving 98% accuracy in predicting diabetes types using XGBoostClassifier, demonstrated through an end-to-end web application deployment on Streamlit.
- Applied diverse data analysis methods, including exploratory data analysis, feature selection, and hyperparameter tuning, showcasing the project's effectiveness in enhancing diabetes type prediction for medical diagnosis.

Sentiment Analysis — *Dec. 2023*
Python, Mysql, Amazon RDS, LSTM, Tensorflow, HTML & CSS, Flask, Docker, kubernetes, Git

- Utilized Natural Language Processing to develop and deploy a high-accuracy Sentiment Analysis Model using LSTM with TensorFlow, achieving a 87% accuracy rate.
- Orchestrated end-to-end project implementation, including Flask-based web service, Docker containerization, Kubernetes deployment for scalability, and MySQL integration for data storage on AWS RDS.

Awards and Achievements

- Attained **top 1%** rankings in multiple machine learning hackathons, including Big Mart Sales and Loan Prediction, showcasing strong data science skills.
- Demonstrated expertise by earning the **Expert badge** on Kaggle in the Notebooks, Datasets, and Discussions sections; actively engaged in collaborative problem-solving, resulting in valuable contributions to the data science community.
- Consistently excelled in diverse **data science competitions**, showcasing expertise in data visualization, debugging, quizzes, and more, with a record of winning every competition participated in.

Skills

Languages:
Python(Oops, NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow), C++, SQL, NoSQL, HTML, JavaScript

Technologies & Tools:
Power BI, Flask, Django, Git, Linux, Kubernetes, AWS, Azure, Docker, Jenkins, CI/CD

Certifications:
Advance SQL: SELECT, JOINS, aggregate functions, sub-queries, and window functions.
Power BI Data Analyst Associate: Data Preparation, Data Modeling, DAX, Data Visualization, Asset Deployment.