

Sravani Thota

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WORK EXPERIENCE

Flexon Technologies Inc.

Feb 2024 - Present

AI/ML Intern

CA, USA

- Doubled job matching speed and **saved 30 hours/week** through automated resume filtering and scoring processes by leveraging the power of LLM to enhance the Application Tracking System (ATS). [Python, LLM (GPT-4/Groq/Gemini), Pinecone, Langchain, Prompt Engineering, MongoDB, Azure Functions]
- Achieved a **99% accuracy rate** in job description extraction and initiated seamless recruitment workflows by engineering an email parsing system using Logic Apps. [Azure Logic Apps]
- Reduced manual intervention by 80%** and enabled automatic creation of Teams meetings upon applicant confirmation by developing an interview scheduling framework. [Microsoft Graph API]

Pluto AI

May 2023 - Aug 2023

Data Scientist Intern

CA, USA

- Analyzed sales data from the retail sector to study how shop size, departments, and holidays affected weekly sales
- Handled **missing data, outliers, and data stationarity** to produce accurate analysis and forecasting. Forecasted weekly sales trends accurately using the **ARIMA, SARIMA, and Exponential smoothing models**. The exponential smoothing model was deployed, and the forecasting error was impressively **reduced by 45%**, improving the accuracy of weekly sales predictions.

Global Edge Software Ltd.

May 2017 - Dec 2020

Senior Software Engineer

Bangalore, India

- Collaborated with data scientists to enhance data quality and precision analysis, resulting in a **20% improvement** in data quality and enabling more accurate insights. [Python, scikit-learn]
- Enhanced heart disease prediction efficacy from **71%** to an outstanding **92%** through meticulous evaluation and advanced techniques, showcasing strong analytical and problem-solving skills. [ML - Classification]
- Utilized **Tableau** for interactive data visualizations, reducing meeting time by **25%** and facilitating faster decision-making, highlighting effective communication of insights to stakeholders
- Automated test runs and record maintenance in Rational Quality Manager (RQM), **cutting test execution time by 50%**. Also improved code coverage by **60%** by migrating from GCOV and LCOV to CTC. [Python-OOP]

PROJECTS

- SmartHire:** Developed **microservices** to optimize the end-to-end recruitment pipeline, tailored to **aid recruiters and sourcers**. Automated key stages, including resume screening, candidate shortlisting, and interview scheduling, all while maintaining rolebased access controls to uphold data security and privacy. [Python, MySQL, AWS S3, HTML, CSS, Javascript, Okta]
- MLInvest:** App that leverages **machine learning techniques** (clustering, classification, and regression) to enable investors to make data-driven decisions and maximize ROI in Real Estate. [Pandas, NumPy, Sklearn, pyclustering, Matplotlib]
- Shop Assist:** Streamlined the shopping experience by creating an app that leverages deep learning for product identification in grocery store aisles. Fine-tuned the YOLOv7 model with a custom grocery dataset, labeled using Roboflow, and developed a Flask application to aid real-time object detection by allowing users to upload images and videos. [YOLO, Roboflow, Flask]
- CareTalk AI:** Implemented a **chatbot** web application using healthcare data to support mental health patients facing stigma. [Python, LLM, RAG, Prompt Engineering, Pinecone]

EDUCATION

San Jose State University, CA

May 2024

Master of Science (MS) - Data Science

GPA: 3.9/4

Velagapudi Ramakrishna Siddhartha Engineering College, India

Apr 2017

Bachelor of Technology (B.Tech) - Electronics & Communication Engineering

GPA: 8.9/10

SKILLS

Languages/Databases: Python, SQL, Java, C, C++, Shell Script, MySQL, MongoDB, Pinecone, Amazon S3

ML/AI Frameworks: Numpy, Pandas, scikit-learn, matplotlib, statsmodel, Langchain, DeepLearning, PyTorch, TensorFlow, Retrieval Augmented Generation (RAG), Gradio, Chainlit, Streamlit

Data Engineering: Apache Spark, Databricks, Apache Kafka

Cloud/Software: Amazon Web Services (AWS), Flask, Docker, REST, PowerBI, Git

Large Language Models (LLM): GPT Family, LLama, Gemini