Pranav R

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Data Scientist with expertise in predictive modeling, deep learning, and data visualization. Proficient in delivering data-driven solutions, optimizing workflows, and uncovering actionable insights. Demonstrates exceptional problem-solving, communication, and time-management skills. Ready to contribute immediately.

Education

Master of Science in Data Analytics Dec 2024
San Jose State University, San Jose, California

- Coursework: Statistics, Data Visualization, DBMS, Machine Learning, Deep Learning, Data Mining

Bachelor of Engineering in Computer Science Aug 2020
Visvesvaraya Technological University, Bengaluru, India

- Coursework: Mathematics, Python, Cloud Computing, SQL, Web Technologies, Business Intelligence

Professional Experience

Data Scientist Intern | *MarketMakerCRE , Pensacola, FL* Jul 2024 – Aug 2024

- Optimized data collection by 35% through Python-based web scraping with BeautifulSoup and Selenium, ensuring seamless integration with REIT datasets (Real Estate Investment Trust).
- Achieved 30% improvement in data accuracy via advanced cleaning techniques, enabling real-time market insights.
- Developed 2 Tableau dashboards that reduced decision-making time by 25%, supporting 20+ real estate leaders.
- Implemented CI/CD pipeline management with Azure DevOps, increasing data ingestion efficiency by 20%.
- Reduced MSE by 1.2% and improved profitability by 3% through A/B testing of XGBoost model variations.

Data Analyst | *Juniper Networks, Bengaluru, India* Jul 2020 – Jan 2023

- Refined SQL and Alteryx data pipelines, enhancing WaR Tableau dashboard (Work at Risk) accuracy by 25% for Global Services.
- Analyzed 1,700+ client engagements, achieving a 20% boost in client satisfaction.
- Designed Sprint Analysis & Risk Tableau dashboards, improving decision-making for 60+ team members.
- Integrated PS/AS Credits dashboard with Power Apps, driving a 23% increase in PM team productivity.
- Created 7 financial Tableau dashboards, tracking KPIs, monitoring performance metrics, facilitating data-driven decisions for over 100+ stakeholders, improving decision-making efficiency by 40%.
- Collaborated with cross-functional teams to develop 15 Power Apps tools, enhancing workflows for 80+ daily users and improving operational efficiency by 33%.

Data Analyst Intern | *Juniper Networks, Bengaluru, India* Jan 2020 – Jun 2020

- Streamlined data extraction with advanced SQL queries and complex joins, cutting report generation time by 18%.
- Automated reporting processes using Python, saving 10+ hours weekly and improving report generation efficiency.

Projects

Predictive Modeling for Soil Health Analysis in Fresno County | Python, TensorFlow, PyTorch, Flask (GitHub)

- Processed 35+ years of soil and weather data via APIs (Google Earth Engine, OpenMeteo, SoilGrids), boosting model accuracy by 12%.
- Achieved MSE of 0.015 using hybrid LSTM-Random Forest models for soil pH prediction.
- Designed interactive GUI for geospatial maps and time-series insights, enhancing agricultural decision-making.

Machine Learning Approach to Fake Job Classification | Python, NLP, NLTK, TF-IDF, lemmatization (GitHub)

- Built ML models (KNN, SVM, random forest, decision tree), achieving 92% accuracy in classifying fake jobs.
- Improved recall by 18% using NLTK and TF-IDF, optimizing fraud detection with decision tree recall of 0.87.

SQL Interview Preparation Tool | Python, LangChain, FAISS, Google GenAI, Streamlit (GitHub)

- Developed interactive web app with LangChain and FAISS for SQL interview answers, improving retrieval speed and accuracy.
- Integrated Google GenAI, enhancing user experience and response quality.

Real Estate Price Prediction | Python, scikit-learn, TensorFlow, PyTorch (GitHub)

- Forecasted property prices for 1, 2, and 5 years with a 5% annual increase using LSTM and other ML models.
- Delivered precise forecasts with a 5% annual growth estimate, aiding investment decisions.

Technical Skills

Programming Languages: Python, SQL, JavaScript, HTML/CSS
ML Frameworks & Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Generative AI, LLMs
Databases: MySQL, Microsoft SQL Server, MongoDB, SharePoint
Automation & BI Tools: Tableau, Power BI, Power Apps, Power Automate, Alteryx, Excel
Big Data & Cloud Technologies: Hadoop, Spark, Azure DevOps