

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