

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. Based in Bengaluru and actively seeking opportunities in Bengaluru, India.

Education

Master of Science in Data Analytics Dec 2024
San Jose State University, San Jose, California, USA | GPA: 3.55/4

Bachelor of Engineering in Computer Science Aug 2020
Dr. Ambedkar Institute of Technology, Bengaluru, India | CGPA: 9.15/10

Professional Experience

Software Engineer - AI/ML | *NeuroLeap Corp, Remote* Feb 2025 – Current

- Implemented text-to-speech models using Sphinx and Whisper (tiny, small), reducing inference time by 35% and optimizing performance for custom voice inputs.
- Enhanced speech clarity in noisy environments by 40%, measured via Word Error Rate (WER), through targeted fine-tuning and model evaluation.

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.
- Enhanced real estate market predictive analytics using XGBoost & Random Forest, reducing MSE from 2.5 to 1.2 (52% improvement).
- Automated data validation with Azure DevOps CI/CD, improving real-time insights by 30%.
- Developed 2+ Tableau dashboards that reduced decision-making time by 25%, supporting 20+ real estate leaders.
- Led A/B testing on the MarketMakerCRE website, increasing user engagement by 15% and optimizing conversion rates by 10% through data-driven insights.

Software Engineer 1 | *Juniper Networks, Bengaluru, India* Jul 2020 – Jan 2023

- Built end-to-end data pipelines in SQL and Alteryx, optimizing processing time by 25% for financial and operational analytics.
- Automated client notifications with Power Automate, ensuring timely contract reminders via JSON attachments, boosting PM team efficiency by 30%.
- Integrated PS/AS Credits dashboard with Power Apps, driving a 23% increase in PM team productivity.
- Analyzed 1,700+ customer engagements, achieving a 20% boost in customer satisfaction.
- 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%.

Intern 3 Professional Services | *Juniper Networks, Bengaluru, India* Jan 2020 – Jun 2020

- Automated SQL-based reporting processes using Power Automate, reducing manual effort by 10+ hours weekly.
- Streamlined data extraction with advanced SQL queries and complex joins, cutting report generation time by 18%.

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.

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.

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, SharePoint

Automation & BI Tools: Tableau, Power BI, Power Apps, Power Automate, Alteryx, Excel

Big Data & Cloud Technologies: Hadoop, Azure DevOps