

## Pranav Ramesh

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### EDUCATION

#### San Jose State University

M.S., Data Analytics; GPA: 3.58/4.00

San Jose, USA

Dec 2024

**Coursework:** Statistics, Data Visualization, DBMS, Machine Learning, Big Data, Deep Learning, Data Mining

#### Dr. Ambedkar Institute of Technology

B.E., Computer Science and Engineering; GPA: 4.00/4.00

Bengaluru, India

Aug 2020

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

### WORK EXPERIENCE

#### MarketMakerCRE

Pensacola, USA

*Data Scientist Intern*

Jul 2024 – Aug 2024

- Extract data from 3+ websites using BeautifulSoup and Selenium, improving data collection efficiency by 35%.
- Enhance data accuracy by 30% through rigorous cleaning and integration, resulting in better real-time market insights.
- Create dynamic Tableau dashboards to visualize REITs data, increasing decision-making efficiency by 25%.
- Design and maintain CI/CD pipelines for seamless data ingestion, advancing strategic planning by 20% through improved data aggregation.
- Utilize A/B testing to optimize REITs and funds analytics, improving predictive accuracy and market forecasting by 15%.

#### Juniper Networks

Bengaluru, India

*Software Engineer 1 (Data Science)*

Jul 2020 – Jan 2023

- Collected and processed data using SQL, Alteryx, which boosted Tableau dashboard accuracy by 25% while enhancing data-driven decisions across the GS team (Global Business Operations).
- Crafted a Tableau dashboard for project risks and sprint data, improving operational efficiency by 33%.
- Built a PS/AS Credits Tableau dashboard, refining PM team productivity by 23% with detailed client credit insights.
- Developed 7+ Tableau dashboards with 38-43 daily viewers, widely engaged by PM and business operations teams, earning awards such as **Out of this World** ([Link](#)) and **Fly to Moon** ([Link](#)), enhancing data accessibility and decision-making.
- Led the development of "Job Rotation Tool" with Power Apps, streamlining job opportunities and increasing organizational agility by 21%.
- Oversaw the design of 15+ Power Apps tools with 35-40 daily interactions each, boosting user engagement and earning awards such as **Rocket to Space** ([Link](#)) and **Recognition of the Month** ([Link](#)).

#### Juniper Networks

Bengaluru, India

*Intern 3 Professional Services (Data Science)*

Jan 2020 – June 2020

- Designed CALA theater dashboard with 15-19 daily views, strengthening business operations efficiency by 30%.
- Automated reporting processes using Python, saving over 10+ hours per week while enhancing report generation efficiency.
- Engineered GS Operations tool with Power Apps, Power Automate, SharePoint, automating request submissions and approvals, fostering visibility, and raising efficiency by 30% for 500+ users across AMER, APAC, CALA, EMEA.

### TECHNICAL SKILLS

**Languages:** Python, SQL, Java, JavaScript, HTML/CSS

**Frameworks/Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch, BeautifulSoup, NLTK

**BI Tools/Frameworks:** Tableau, Power BI, Matplotlib, Plotly

**Databases:** MySQL, MongoDB, Microsoft SQL Server, SharePoint

**Automation Tools:** Power Apps, Power Automate, Alteryx, Excel

### PROJECT EXPERIENCE

#### SQL Interview Preparation Tool | Python, LangChain, FAISS, Google GenAI, Streamlit, LLM ([GitHub](#))

- Developed an interactive web application using LangChain's ChatGroq model ("Llama3-8b-8192") to provide accurate, context-based answers for SQL interview questions.
- Applied Google Generative AI Embeddings alongside FAISS to enhance document embedding and retrieval, improving SQL response accuracy and speed.

#### Resume Optimization Tool | Python, Google Gemini AI, PyPDF2, Streamlit, LLM ([GitHub](#))

- Created a web app utilizing Google Gemini AI's "gemini-pro" model to evaluate and optimize resumes based on job descriptions, offering actionable feedback.
- Deployed PDF text extraction along with ATS simulation to provide detailed metrics such as matching percentages, missing keywords, and profile summaries for resume enhancement.