

# PRANAV BELLIGUNDU

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## EDUCATION

**The University of Texas at Austin**, Austin TX | **GPA: 4.0**

May 2027

*Bachelor of Science, Statistics and Data Science + Mathematics Double Major*

*Relevant Coursework:* Introduction to Data Science, Statistical Thinking, Multivariable Calculus, Matrices and Linear Algebra, Differential Equations, Data Structures and Algorithms,

## EXPERIENCE

**TicketCity** (Austin, TX) – *Data Science Intern*

January 2025 - Present

- Engineered data pipeline using BigQuery and SQL to extract and process historical sales data for predictive analytics
- Implemented RNNs and XGBoost models for ticket price prediction, optimizing inventory management, and increasing revenue
- Developed an automated content engine generating dynamic event descriptions from sales data to streamline content creation

**Hey Bubba** (Austin, TX) – *Data Science Intern*

January 2025 - Present

- Engineered NLP-based email filtering system for content, improving operational routing efficiency and reducing processing time.
- Integrated Google's Gemini AI for automated PDF document analysis, enabling intelligent classification of business attachments
- Developed ML classification system for transportation documents with 94% accuracy with seamless system integration.

**Awareeye** (Los Altos, CA) – *Machine Learning Intern*

June 2024 - August 2024

- Developed a Python application capable of accurately identifying license plate numbers from live, blurry video footage in real-time
- Implemented a preprocessing pipeline to enhance pre-OCR accuracy. Reduced detection times from ~8 seconds to ~5 seconds
- Designed algorithm to rank license plate numbers simultaneously based on frequency of occurrence by Levenshtein distance

**Stanford Medicine** (Palo Alto, Ca) – *Research Intern & TA*

May 2022 - January 2024

- Engineered datasets from 23 osteoarthritis, 20 healthy, and 33 rheumatoid-arthritis patients, 13 genes linked to osteoarthritis
- Led a team of two research interns to develop optimal workflow for single-cell RNA sequencing to produce accurate graphs
- Analyzed research papers and extracted valuable models such as t-SNE, SVA, and UMAP, successfully implementing them in R

## PROJECTS

**MediMatch** – *Machine Learning Engineer*

September 2024 - Present

- Building an in-house ML model to predict and detect sicknesses and illnesses based on specific markers from large datasets
- Tech Stack: Python, JS, React, Firebase, Groq

**PDF-Summarizer** – *Machine Learning Engineer*

December 2024 - January 2025

- Developed a platform on Streamlit that summarizes any document with the implementation of a RAG Pipeline
- Tech Stack: Python, Ollama, Langchain, ChromaDB, Streamlit

## LEADERSHIP & ACTIVITIES

**Technology Consulting Group** (Austin, TX) – *Project Committee Member*

January 2025 - Present

- Tasked with bringing forth projects to the club by networking and reaching out to F500 companies and startups in Austin
- Collaborated with the executive committee to implement recruitment strategies and contributed ideas for membership growth

**Boy Scouts** (Los Altos, CA) – *Eagle Scout*

March 2014 - June 2024

- Served over 2 years on leadership team, organized, planned and executed camp-outs and weekly troop meetings & activities
- Fundraised and raised over \$1500 to build Lamp Stands for SKV Temple, San Jose for my Eagle Project: completed in 160 hours
- Led a team of 10 scouts in project planning, task delegation, design sessions, safety briefings, and beneficiary communications

## HONORS

- 1st Place at BridgeHacks @ Cisco, Upstate Hacks, Elev8 Hacks, Cupertino Hacks (2024)
- New York Upstate Hacks 2023: Placed 1st, won \$375 in prizes and Wolfram Award (2024)
- National Merit Commended Scholar, NMSQT (2023)

## ADDITIONAL INFORMATION

**Technical Skills:** Python, R, Java, SQL, C++, HTML/CSS, JS, Swift, OOP, ML/AI, Skitlearn, RAG, AI Agents, Pandas, Numpy

**Languages:** English (Fluent), French (Intermediate), Kannada (Native), Hindi (Basic Knowledge)

**Interests:** Sports, Volleyball, Soccer, Music (Rap, R&B, Jazz), Thrifting/Fashion, Cars, Karting, F1, Cooking/Baking, TV/Movies