

Pranav Belligundu

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EDUCATION

University of Texas at Austin **May 2027**
Bachelor of Science in Statistics and Data Science, Mathematics
Minor in Computer Science

EXPERIENCE

University of Texas at Austin – IDEAL Lab Sept 2025 – Present
Machine Learning Undergraduate Researcher *Austin, TX*

- Research under Prof. Joydeep Ghosh and Shijun Li on goal-conditioned RL for personalized recommender systems
- Model trained with PPO and retrieved-token masking to autonomously query user histories and item metadata
- Ran large-scale CUDA experiments while fine-tuning parameters to improve accuracy and overall training quality

Briq Jun 2025 – Aug 2025
Software Engineering Intern *Remote*

- Developed and deployed integration tests across 10+ microservices for an AI-powered invoice processing platform
- Automated REST API validation with Postman, verifying 100+ document payloads, cutting QA time by 60%
- Reduced release rollbacks 20% through GitLab CI/CD pipeline optimizations that improved deployment reliability

Innoflexion May 2025 – Jul 2025
Machine Learning Engineer Intern *San Francisco, CA*

- Led two interns to develop a feature in DeepRoot, a platform that prepares enterprise data for GenAI use cases
- Developed an MoE architecture that routed structured and unstructured data across 30+ LLMs/SLMs with vLLM
- Formulated Data Readiness Index framework that evaluated quality, structure, security, and fairness of input data

Stanford Medicine May 2022 – Jan 2024
Data Science Research Intern/TA *Palo Alto, CA*

- Processed and analyzed RNA-seq data from 76 osteoarthritis patients in R to determine valuable biological insights
- Used t-SNE, SVA, and UMAP to extract biological signals and identified 13 genes associated with osteoarthritis
- Designed an optimized single-cell RNA-seq workflow and wrote a paper documenting the methodology/results

PROJECTS

Apanto | *Python, React, FastAPI, PostgreSQL, MongoDB, Transformers, LLMs, CUDA, vLLM* Jun 2025 – Aug 2025

- Built an LLM router using an algorithm to route prompts across commercial APIs and Hugging Face models.
- Full-stack interface for the application, added features to track model latency, cost, and usage across 20+ models

VitaRize, Cisco BridgeHacks | *Python, Streamlit, Pytorch, Googletrans* Jun 2024

- Built an accessibility app that summarizes articles and with text-to-speech(TTS) for visually impaired individuals
- Marketed app to 10+ visually impaired users, improving content accessibility; placed 2nd out of 160 participants

LEADERSHIP

Technology Consulting Group May 2025 – Present
Project Director *Austin, TX*

- Networked with F500 companies, startups, and local businesses securing 20+ projects for consultants and advisors
- Led project acquisition team, advising client engagements to ensure quality, consistency, and successful outcomes

Boy Scouts Troop 33 Mar 2014 – Jun 2024
Eagle Scout *Los Altos, CA*

- Organized camp-outs and weekly troop meetings with 100+ members as a Patrol Leader and Troop Guide
- Fundraised \$1,500 to deliver 2 lamp stands for SKV Temple (San Jose), enhancing ceremonies for congregants

TECHNICAL SKILLS

Programming Languages: Python, C/C++, R, Java, SQL, HTML/CSS, JavaScript, TypeScript

Technologies: React.js, Node.js, Bash, Flask, PyTest, FAISS, CUDA, PyTorch, TensorFlow, Transformers, LangChain, vLLM, Agno, NumPy, Pandas, Matplotlib, Tableau

Tools/Frameworks: Git, Docker, Kubernetes, FastAPI, Postman, GCP, AWS, MongoDB, ChromaDB, Neo4j, PostgreSQL, NoSQL, Spark, Airflow