

PRANAY JOSHI

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EDUCATION

The University of Alabama

Tuscaloosa, Alabama

B.S. in Computer Science, Minor in Robotics

May 2027

- **GPA:** 4.00/4.00, 4x President's List, University Honors Scholar, Emerging Scholar
- **Achievements:** Google Summer of Code (GSOC), ACM ICPC finalist, UGAHacks winner, Google Code-in winner
- **Related Coursework:** Artificial Intelligence, Reinforcement Learning, Brain Computer Interface, Data Science

EXPERIENCE

Shipt

Birmingham, Alabama

Backend & AI Engineer Intern (Marketplace, search and Payments teams)

June 2026 - Present

- Co-developed next-gen query understanding platform leveraging agentic search workflows, prompt engineering, cache optimization, and hybrid model orchestration to improve search relevance, latency, and personalization.
- Launched an AI-powered fulfillment agent that interprets complex shopping intents, intelligently identifies relevant products, and streamlines multi-item purchasing workflows to reduce checkout friction.

Backend Engineer Intern, (Payments team)

June 2025 - August 2025

- Proactively developed Gen AI chatbot using Golang and Ollama, implementing custom vector store, semantic search, and ranking algorithm, delivering 12x cost-efficient solution, earning recognition from VP of Engineering.
- Integrated EBT and non EBT Stripe refunds to core services while also streaming real-time events to Kafka DataLake impacting over 100k+ refund requests/year.
- Developed bulk reorder and fixed coupon redemption failures by designing GraphQL mutations.

Center for Advanced Public Safety

Tuscaloosa, Alabama

Software Engineer

August 2024 – May 2025

- Developed web-based statistics platform using Golang, Next.js and SQL for visualizing different relationships between E-crash data from 67 counties of Alabama while building features for 170+ divisions.
- Built DashboardAutomation Pipeline tool using Python for ArcGIS users to streamline the process of physically extracting and visualizing CAD objects as feature classes.

Google Summer of Code (Postman)

Remote

Software Developer (Open Source)

May 2024 – August 2024

- Developed CLI Source Generator for Corvus.JsonSchema, by integrating Corvus APIs to automatically generate code adhering to standardized data structures and add Schema code to user's project for compilation.

Human Technology and Interaction Lab, The University of Alabama

Tuscaloosa, Alabama

Research Assistant

Jan 2024 – Present

- Built a TensorFlow-based HCI platform utilizing EEG/EMG data for real-time movement and emotion detection.
- Co-developed Neuroscope, a BCI app for controlling robots via brain waves, and published the associated K-12 educational research at CHI 2025 (Japan), a premier conference in Human-Computer Interaction.

PROJECTS

CRISPRR.bio (live at crispr.bio)

Athens, Georgia

- AI platform that turns a gene sequence into optimized CRISPR guides, 3D molecular models, and experiment-ready outputs in ~5 seconds, replacing 4–24 hours of work across multiple specialized bioinformatics tools.

MindBeats | Lifeline

Athens, Georgia

Winner, HackUGA 10 & 11

Feb 2025-26

- MindBeats: Music recommendations based on “moods” predicted by real-time brain signals using custom CNN model.
- Lifeline: AI second responder that answers emergency calls instantly, dispatches responses and escalates critical cases.

Dubverse (live at dubverse.ai)

Delhi, India

Artificial Intelligence Developer

Oct 2021 – Oct 2022

- Led team of 6 to develop AI products for \$30M startup enhancing Google Lens' textmasking and generation abilities.

SKILLS

Programming: Golang, Python, TypeScript/JavaScript, SQL, C/C++, React, Next.js, Node.js, FastAPI, GraphQL, gRPC

AI & Backend: AI Agents, LangGraph, LangChain, RAG, Prompt/Harness Engineering, LLM Evaluation, MCP, Vector DBs

Cloud & Infrastructure: AWS, Docker, Kubernetes, Terraform, Kafka, Redis, PostgreSQL, MongoDB, Git, Linux, GCP, Azure