

Varun Kiragi

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EDUCATION

Georgia Institute of Technology

Master of Science in Computer Science – Artificial Intelligence Specialization

Jan 2025 – Apr 2027 (Expected)

Atlanta, GA

University of California, Davis

Bachelor of Science in Computer Science

Sep 2019 – Jun 2023

Davis, CA

EXPERIENCE

Briefing | yourbriefing.io

Nov 2025 – Present

Founder & Engineer

Remote

- Built and shipped a full-stack iOS app to the App Store with in-app subscriptions, delivering live scores and AI-powered bet tracking across 20+ sports including NFL, NBA, Tennis, and F1.
- Engineered a Python/FastAPI backend with real-time API integrations, deployed on Fly.io with rate limiting and connection pooling for production-scale performance.
- Built a React + TypeScript frontend with Capacitor for iOS, featuring machine learning-driven insights via Gemini 2.5 Flash and a personalized news feed.

The Honey Jar

Sep 2024 – Nov 2024

Software Engineer Intern

Remote

- Led development of a Coin Flip game dApp on Berachain, integrating smart contract interactions with a Next.js and Tailwind CSS frontend.
- Optimized smart contracts for NFT projects, improving gas efficiency by 15% and increasing user interactions by 20% through enhanced dApp features.

TeamcalAI

May 2024 – Aug 2024

Software Engineer Intern

Remote

- Engineered a voice assistant using React Native's Speech Recognition API as sole developer, enabling users to manage schedules via voice commands.
- Reduced app crashes through targeted bug-fixing and error handling; refactored legacy components and introduced a testing strategy that minimized regression bugs across multiple releases.

PROJECTS

NBA Win-Probability Prediction | nba-win-probability.streamlit.app | *Python, scikit-learn, XGBoost, Streamlit*

- Built and deployed an end-to-end ML system that predicts NBA game win probabilities, served as an interactive web app with game-by-game backtest report cards.
- Engineered a leakage-safe pipeline validated with walk-forward testing over 22,800+ held-out games across 19 seasons; prioritized proper scoring rules (log loss, Brier) and probability calibration over raw accuracy.
- Best model (logistic regression on Elo + rolling form/rest features) beat a strong Elo baseline while staying well-calibrated – outperforming a gradient-boosted model that overfit the small feature set.
- Benchmarked against the betting market and honestly reported no edge after the house margin (the correct efficient-market result), after debugging a data error that had faked a “profitable” backtest.

MailFind: AI Email Intelligence Engine | *React, TypeScript, Python, FastAPI, pgvector, Supabase*

- Engineered a full-stack NLU search engine using GPT-5 nano to parse conversational queries into structured JSON, powering a hybrid search combining Supabase filters and pgvector similarity.
- Architected a Python/FastAPI backend with Google OAuth2, encrypted token storage via Fernet, and an async email indexing pipeline using open-source sentence-transformers for local vector embeddings.
- Built a Chrome Extension in React and TypeScript injecting a dynamic UI into the Gmail DOM with real-time streaming AI responses.

Rampart AI: ML-Powered Security Pipeline | *Python, Kubernetes, Machine Learning*

- Enhanced a production AI security pipeline by implementing Kubernetes-compatible readiness and liveness endpoints with real database and ML service verification.
- Designed weighted pattern scoring for data exfiltration detection, differentiating bulk vs. targeted commands and ambiguous indicators to improve detection accuracy.
- Contributed risk-based severity classification and open-sourced detection logic to the core DataExfiltrationMonitor, shipped in a production release.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C, Java, SQL, HTML, CSS

Frameworks & Libraries: React, Next.js, React Native, FastAPI, Node.js, PyTorch, scikit-learn, pandas, NumPy, Tailwind CSS, Capacitor

Developer Tools: Docker, Kubernetes, CI/CD, Git, Linux, PostgreSQL, Supabase