Rishi Peddakama

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EDUCATION

Duke University; BS, Computer Science and Mathematics (Double Major); GPA 3.94   August 2023 - May 2027
- Relevant Coursework: Data Structures & Algorithms, Discrete Math, Proof-Based Linear Algebra, Computer Architecture, Probability, Operating Systems, Algorithm Design, Machine Learning, Multivariable Calculus

TECHNICAL SKILLS

Languages: Typescript/Javascript, Python, Java, C++, C, HTML/CSS, SQL, Dart, Golang
Technologies: React/Next.js, React Native, Node.js, Docker, Flutter, MongoDB, Firebase, AWS, Tensorflow, Langchain
Skills: Unit Testing, Data Structures & Algorithms, Machine Learning, CI/CD, Git/Github, System Design

WORK EXPERIENCE

Dropbox   May 2025 — Aug 2025
Software Engineer Intern   *San Diego, CA (remote)*
- Shipped multi-language support (20+ langs) to Dropbox's Unified Search by integrating detection into indexing and retrieval
- Built and deployed production-grade Go services for language analysis using Bleve and Whatalangoo across search systems
- Collaborated with Dash and other platforms to evaluate detection precision/recall and deliver scalable, globalized search infra.

Qualcomm   May 2024 — Aug 2024
Software Engineer Intern   *San Diego, CA*
- Architected Python SDK reducing Snapdragon CV implementations from 100+ to 10 lines, enabling 5x faster feature integration
- Built cross-language binding architecture with pybind11, cutting integration complexity by 90% for external developers
- Designed OpenCV-compatible API patterns with Camera team, streamlining workflow integration and boosting adoption

Turbo AI (ed-tech startup)   August 2024 — April 2025
Software Engineer   *Durham, NC (remote)*
- Led development of university note-sharing network, scaling platform to 500k+ users and contributing to $300k MRR
- Implemented distributed content system in Node.js supporting live collaboration across 50+ universities with minimal latency
- Drove 22% monthly user growth through campus marketing initiatives and created scalable outreach playbook for new hires

Correlation Ventures   Jun 2023 — Aug 2023
Data Analyst Intern   *San Diego, CA*
- Built LLM-powered data pipeline reducing investment analysis time from 40+ to 10 hours and improving decision accuracy
- Engineered Python scripts to process startup profiles daily, achieving accurate predictions and 60% faster deal sourcing
- Integrated multiple data sources to enrich investment database, leading to more comprehensive startup evaluations

PROJECTS

Intelliview (view here)
- Built full-stack interview platform with React/Node, processing hundreds of mock interview audio recordings
- Integrated Claude/GPT APIs to provide specific feedback across 8 industries and personalized coaching for practice answers
- Implemented AWS-hosted infrastructure with Stripe subscriptions, MongoDB, and 24-hour email notification system

Buckistly (view code)
- Developed Flutter/Firebase app scanning major travel sites hourly to alert users of price drops and deals
- Built Python web scraping pipeline with BeautifulSoup, handling 1000+ listings across multiple websites daily
- Implemented NoSQL data model in Firebase optimizing price history queries from seconds to milliseconds response time

Infinity Judge (Competitive Programming Practice Agent) (view code)
- Built an online judge using Docker containers to safely execute code submissions in Java, Python, and C++
- Engineered sandbox environment with memory/CPU limits, preventing resource abuse while maintaining speed
- Designed React frontend with Firebase authentication, Node backend, real-time submission status, and intuitive test case UI

ADDITIONAL INFORMATION

- **Competitive Programming Awards** — USA Computing Olympiad Gold Division, 2x American Computer Science League National Finalist, 2x Google Code-Jam Qualifier, 2x Facebook HackerCup Qualifier
- **Research Experience** — 1st at SD Science Fair in CompBio; speaker at 10th Annual Summit on Data Analytics in Healthcare
- **Hobbies** — Soccer, Boogie Boarding, Guitar, Fast and Furious movies, Gym