Rishi Peddakama

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EDUCATION

Duke University; BS, Computer Science and Mathematics (Double Major); GPA 3.95 — Expected 2026
- Relevant Coursework: Data Structures & Algorithms, Discrete Math, Proof-Based Linear Algebra, Computer Architecture

TECHNICAL SKILLS

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

WORK EXPERIENCE

Qualcomm Inc. — May 2024 — Aug 2024
Software Engineering 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

Turbolearn AI — August 2024 — Present
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 supporting real-time collaboration across 50+ universities with little 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 much more comprehensive startup evaluations

CodeCombat Inc. (YC W14) — May 2022 — Feb 2023
Design Intern — *San Francisco, CA (remote)*
- Developed backend features for Ozaria platform serving 20M+ learners, achieving 17% increase in user engagement metrics
- Created AP Computer Science curriculum materials, increasing students' pass rate along with a 36% reduction in learning time
- Optimized learning platform based on student feedback, resulting in significant improvement in course completion rates

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 optimizing price history queries from seconds to milliseconds response time

Infinity Judge (Competitive Programming Practice Agent) (view code)
- Built 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