Rishi Peddakama

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WORK EXPERIENCE

Qualcomm Inc. May 2024 — Aug 2024
Software Engineering Intern *San Diego, CA*
- Developed a high-level Python interface for Snapdragon's complex C++ computer vision algorithms, significantly simplifying implementation and reducing development time.
- Architected wrapper classes that mirror OpenCV's Python syntax, enabling seamless integration of Qualcomm's CV capabilities into existing workflows.
- Collaborated with the Camera team to streamline integration of new CV features, contributing to a notable reduction in code complexity for CV-related tasks.

Intelliview (view here) Jun 2024 — Present
Founder *San Diego, CA*
- Behavioral interview prep tool. Record answers to questions and receive industry-specific advice; 'Freemium' payment model.
- Released to public very recently. Currently working on maximizing social media conversions (Tiktok, Instagram, etc.)
- Technologies: React, Node, MongoDB, AWS, Stripe, OpenAI/Anthropic API, Resend (email API)

Correlation Ventures Jun 2023 — Aug 2023
Data Analyst Intern *San Diego, CA*
- Utilized LLMs to populate the company database with relevant information, enhancing the algorithm-based investment process.
- Engineered an automated Python script, reducing data processing time by over 30 hours per investment decision.

CodeCombat Inc. (YC W14) May 2022 — Feb 2023
Design Intern *San Francisco, CA (remote)*
- Collaborated with Development VP to spearhead curriculum design for new product launch.
- Contributed as a backend developer to the game Ozaria, supporting a platform used by over 20 million learners worldwide.
- Provided critical insights as an AP CSA student, assisting in the creation of effective study materials that met AP standards.

PROJECTS

Buckistly (view code)
- Makes bucketlist dreams possible by sourcing cheap deals for dream vacations and experiences with customizable email updates.
- Won an honorable mention award at the congressional app challenge.
- Technologies: Flutter, Python, Firebase

Infinity Judge (view code)
- Developed an open-source online judge for algorithmic coding problems with isolated sandboxes to protect from malicious code.
- Technologies: JS, Python, Node, Docker, React, Firebase authentication.

Rapid Report (view code)
- Performed sentiment analysis on twitter activity and curated e-newsletters to provide daily news without doing any reading.
- Technologies: JS, Python, Node, React, Azure

EDUCATION

Duke University; BS, Computer Science and Mathematics (Double Major); GPA 3.95 Aug 2023 — May 2027
- Relevant Coursework: Data Structures & Algorithms, Discrete Math, Proof-Based Linear Algebra

SKILLS

Programming Languages	Typescript/Javascript, Python, Java, C++
Technologies	React/Next, Node, Langchain, Docker, Flutter, Databases (Mongo, Firebase, AWS), Tensorflow

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** — Real Madrid (Ronaldo fan), Boogie Boarding, Guitar, Fast and Furious movies, Working Out