# Rishi Peddakama

+1 (858) 527-5010 | San Diego, California, US | rishipeddakama@gmail.com
github.com/rpeddakama | linkedin.com/in/rishi-peddakama | rishipeddakama.com

## 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. Connecting languages using pybind11 framework.
- Architected wrapper classes that mirror OpenCV's Python syntax, enabling seamless integration of Qualcomm's CV capabilities into existing workflows. Outside of Qualcomm, the goal was to promote adoption of Snapdragon tech through simplicity.
- Worked alongside Camera team to streamline integration of new CV features; led to a notable reduction in code complexity.

**Intelliview** (view here) August 2024 — Present
*Founder* *San Diego, CA (remote)*

- 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)

**Turbolearn** - AI based note taking software startup; 500k users; ∼300k MRR August 2024 — Present
*Founding Engineer* *Durham, NC (remote)*

- Designed and helped build the feature to create a network of shared notes per class across universities.
- Directed in-person marketing efforts to garner more users on the Duke campus as well as document instructions for marketing hires at other universities. Practiced cold approaching people and pitching Turbolearn in an engaging manner.

**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.
- 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 2026

- Relevant Coursework: Data Structures & Algorithms, Discrete Math, Proof-Based Linear Algebra

## SKILLS

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|---|---|
| **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