

# Lauren Pothuru

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[LinkedIn](#) | [GitHub](#)

## SKILLS

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**Programming Languages:** Python, Java, C++, C, TypeScript, OCaml, SQL, Bash/Shell, HTML/CSS

**Frameworks & Libraries:** Node.js, Express.js, React.js, WebSocket

**Databases:** PostgreSQL, Cloud Firestore

**Tools & Practices:** Git/GitHub, RESTful APIs, Data Analysis, Jira, Agile/Scrum, Model Context Protocol

## EDUCATION

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**Cornell University**, Ithaca, NY

Aug 2024– May 2028

Bachelor of Arts in Computer Science

- **GPA:** 3.7 / 4.0
- **Relevant Coursework:** Operating Systems, Algorithms, Data Structures, OOP (Java), Functional Programming (OCaml)

## EXPERIENCE

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**Teaching Assistant**, *Cornell Bowers CIS* – Ithaca, NY

Aug 2025 – Present

- Mentor 260+ students per course in functional programming (OCaml) and algorithm analysis through 8+ weekly office hours, debugging code and clarifying concepts in data structures, asymptotic analysis, and proof techniques.
- Co-lead weekly discussion sessions for 20+ students, creating and reviewing problem sets on algorithm design, runtime complexity, and correctness proofs.

**Software Engineer Intern**, *RemNeuro* – New York, NY

Sep 2025 – Dec 2025

- Built full-stack neurological monitoring platform with secure auth, role-based access, and encryption for patient biometric data.
- Implemented real-time anomaly detection for patient vitals with clinician-defined thresholds and dashboard alerts.
- Designed normalization layer integrating Apple Watch, Fitbit, and Garmin data into a unified clinical format.

**Software Engineer Intern**, *Singularity Softworks* – Toronto, ON, Canada

May 2025 – Aug 2025

- Integrated OpenAI GPT-4, Claude (via MCP), Whisper API, and Vercel AI SDK into three production applications: AI chat platform, legal contract analyzer with automated risk identification, and video interview coach.
- Built real-time interview simulator processing video responses via speech-to-text and image generation interface with customizable style parameters.

## PROJECTS

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**CUApts**, *Cornell Digital Tech & Innovation* – Ithaca, NY

Feb 2025 – Present

- Develop and maintain full-stack systems for CUApts housing platform (500+ monthly users, 250+ listings) using TypeScript, Express, and Firestore.
- Built newsletter subscription feature and folder-based listing organization system, operating on 2-week Agile sprints with regular debugging and system monitoring.

**Technical Committee**, *Women in Computing Cornell* – Ithaca, NY

Jan 2025 – Present

- Lead full-stack development projects with tech industry partners and design technical workshops for 800+ members; maintain organization website.