

# Lauren Pothuru

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

## SKILLS

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

**Tech Stack:** Node.js, Express.js, React.js, PostgreSQL, Cloud Firestore, AWS, Git, RESTful APIs, Agile/Scrum, MCP

## 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:** Machine Learning, OS, 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 programming and algorithm analysis through 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**, *InvestMint Inc.* – Toronto, ON, Canada

Dec 2025 – Present

- Architect AWS-based ML infrastructure integrating 10+ financial data sources to power cash-flow forecasting for fintech platforms.
- Reduce infrastructure costs by 100% through vendor migration, eliminating prior platform limitations.
- Convert business requirements into scalable technical roadmaps, driving production feature development.

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

May 2025 – Aug 2025

- Integrated GPT-4, Claude, Whisper, and Vercel AI SDK into 3 production applications serving 2,000+ global users.
- Reduced contract review time by 90% (hours → minutes) via automated AI-driven analysis.
- Built real-time interview simulator supporting 90-second video processing using speech-to-text and generative models.

## PROJECTS

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

Feb 2025 – Present

- Built and scaled housing platform with 500+ monthly users and 250+ listings using TypeScript, Express, and Firestore.
- Improved API response time by 43% through backend performance optimization.

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

Jan 2025 – Present

- Led full-stack development projects with industry partners; designed technical workshops for 800+ members.

**RemNeuro Dashboard**, *RemNeuro* – New York, NY

Sep 2025 – Dec 2025

- Built full-stack neurological monitoring system processing thousands of patient data points with secure authentication and role-based access control.
- Unified Apple Watch, Fitbit, and Garmin data into standardized clinical formats with real-time anomaly alerts.