

# Ananya Tadigadapa

[linkedin.com/in/ananya-tadigadapa](https://www.linkedin.com/in/ananya-tadigadapa) • Available July – December 2024

## Education

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Northeastern University, Boston, MA May 2025  
Candidate for a Bachelor of Science in **Computer Engineering and Computer Science** **GPA: 3.93**  
Minors in Mathematics & Music Performance Honors Program | Dean's List  
• Coursework: Machine Learning, Object Oriented Design, Algorithms & Data, Computer Systems, Digital Logic Design, Networks, Real Analysis, Linear Systems

## Technical Skills

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### Languages:

Python, Java, TypeScript, C++, JavaScript, C

### Frameworks/Tools:

GraphQL, SQL, HTML, CSS, Docker, React, Node

### Cloud Technologies:

AWS (S3, Athena, Lambdas, Step Functions)

### Software:

Git, Agile, Linux, Jenkins (CI/CD), ROS 1, LaTeX

## Relevant Experience

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**Wood Mackenzie** | *Software Developer Co-op* July – December 2023  
• Spearheaded story criteria templating, increasing planning and development efficiency and eliminating wait time for details in sprints; collaborated with product owners and design team to optimize usability  
• Expanded GraphQL APIs and TypeScript configurations for React components, adding new widgets and filtering options while maintaining reusability and coding best practices  
• Communicated with product owners to anticipate blockers and brainstorm solutions for high-priority tickets  
• Diagnosed and ran AWS lambdas and Step Functions for ETL processes to ClickHouse and OpenSearch  
• Hosted developer department-wide meetings resulting in action items to address platform improvements  
• Revamped team Splunk monitoring practices into a dedicated role integrating with the wider platform teams  
• Participated in resume review, candidate assessments, behavioral, and technical interviews for future co-ops

**NEURAL Lab under Dr. David Rosen** | *Undergraduate Research Assistant* March – June 2023  
• Explored dense visual reconstruction to create accurate maps for self-driving cars, funded by a **PEAK award**  
• Improved testing capability of an ongoing project on distributed second order optimization using C++  
• Studied convex optimization and researching existing literature on certifiably correct estimation

## Publications & Projects

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Personal Website | *React, JavaScript, HTML, CSS, GitHub Pages* December 2023

"The Myowearable Sleeve: A Surface Electromyography Injury Prevention Device" June 2022

- Engineered & prototyped a muscle monitor with Arduino, Python and Bluetooth for audio and GUI feedback
- Presented at the American Society of Engineering Education (**ASEE**) **National Convention**

"Smart Containers for Food Storage in Refrigerators", published in **IEEE Potentials** May 2022

## Leadership & Activities

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Tau Beta Pi Engineering Honors Society MA Epsilon Chapter Vice President June 2023 – Present  
Northeastern University Symphony Orchestra President June 2023 – Present

Study Abroad Dialogue of Civilizations: The Mathematical Heritage of Hungary July – August 2022

Piano (2006 - present) | Flute (2015 - present) | Composition | Songwriting | Low-Waste Baking