

Pranav Guntupalli

(609)-456-8487 | Boston, MA | pranavguntupalli10@gmail.com | linkedin.com/in/pranav-guntupalli

EDUCATION

Northeastern University

Expected May 2028

Candidate for B.S. Computer Science (AI Concentration) — GPA: 3.53

Boston, MA

- Member of Pi Kappa Phi Fraternity, Member of AI Club, Intermural Soccer, Northeastern Khoury College Dean's List
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Design, Computer Systems, Databases

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, Racket

Frameworks & Runtimes: React, Next.js, REST APIs, API Integration

Tools & Platforms: Git, Linux, VSCode, MySQL, DrRacket, Eclipse, IntelliJ

Libraries and Data: NumPy, pandas

EXPERIENCE

Incoming Forward Deployed Engineer Co-op

Fall 2026

IBM

San Jose, CA — Hybrid

Software Engineering Intern

June 2024 – July 2025

Raval Consulting Services (Worked Under Prashant Raval)

Remote

- Developed and maintained **5+ financial software features** using **REST APIs** and **SQL** to improve data accuracy
- Engineered **backend data pipelines** to automate financial processing, **reducing manual handling by ~30%**
- Integrated **third-party financial APIs** with relational databases and **server-side business logic** across systems

SGA Website Management Board

Sept. 2024 – Apr. 2025

Northeastern University

Boston, MA

- Oversaw design, development, and maintenance of Student Government's official website serving **1,000+ students**
- Architected a **redesigned template across 10+ pages** using **HTML/CSS and JavaScript** improving UI consistency
- Enforced **WCAG accessibility standards** and optimized site navigation structure to increase student engagement
- Coordinated with SGA officers to deliver iterative updates, reducing content update turnaround by **40%**

Programming Intern

Apr. 2023 – Aug. 2023

WINGS For Growth

Remote

- Refactored **3–5 core modules** applying **OOP design patterns**, improving code maintainability by 25%
- Collaborated with developers to redesign **software architecture workflows**, reducing debt and improving readability
- Integrated **3+ third-party APIs** into existing system architecture, extending platform functionality and data flow

PROJECTS

viro | *Next.js 14, TypeScript, Supabase, OpenAI GPT-4o, Globe.gl, Tailwind CSS, Vercel*

Jan. 2026

- Built an AI-powered pandemic and triage platform using **Next.js, TypeScript, Supabase, and Tailwind CSS**
- Integrated **OpenAI GPT-4o** for automated patient triage across **4+ use cases**: natural language querying, outbreak forecasting, and audience-adaptive report generation
- Engineered a real-time provider dashboard with **Globe.gl, Recharts, and react-force-graph-2d** to visualize patient similarity networks, emerging clusters, and geospatial outbreak trends
- Implemented **3+ analytical pipelines**, connected clustering, anomaly detection, via **Supabase Postgres**

LostChain | *Next.js 15, TypeScript, Solidity, Ethereum, Wagmi, RainbowKit, Tailwind CSS*

Nov. 2025

- Developed a decentralized lost-and-found platform processing **75+ item records** with **Ethereum smart contracts**
- Designed and deployed **gas-optimized** Solidity contracts to store and query lost and found reports on-chain
- Integrated **Keccak-256** cryptographic hashing with **A2P SMS** notifications to connect users with recovered items
- **Awarded 3rd place at Boston University Blockchain Hackathon**

Chrome Ram Minimizer

Nov. 2025 – Dec. 2025

- Leveraged **Chrome Extensions API** and **chrome.tabs** to detect and discard inactive tabs, reducing memory by **40%**
- Implemented **DOM state detection** to safeguard **100%** of tabs with active input from being discarded, preventing data loss
- Engineered a **popup UI** with real-time per-tab memory visibility using **chrome processes API** and persistent whitelist storage via **chrome storage sync** for cross-session control