

Aahil Nishad

(203) 919-3170 | aahilt@gmail.com | github.com/aahilt | linkedin.com/in/aahil-nishad | aahilnishad.me

EDUCATION

Northeastern University, Houry College of Computer Sciences, Boston, MA

3.8/4.0 – Dean's List

B.S. in Computer Science (Honors)

Expected Dec. 2026

Relevant Courses: Artificial Intelligence, SWE, Algorithms, OOD, Systems, ML & Data Mining I, Database Design

TECHNICAL SKILLS

Languages: Java • TypeScript • Python • Go • JavaScript • C • C++

Frontend: React • React Native • Next.js • Astro • Vue • Tailwind • Framer Motion

Backend: PostgreSQL • MySQL • MongoDB • Drizzle • SQLAlchemy • GoFiber • Express • FastAPI • Flask • OpenAPI

DevOps & Infrastructure: AWS • Azure • OCI • Docker • Git • Terraform • CI/CD • Linux

EXPERIENCE

Healthtech SaaS Startup

Jul. 2025 – Aug. 2025

Member of Technical Staff (Software)

Remote

- Developed a full-stack therapy management platform (Next.js/TypeScript + GoFiber/Postgres/OpenAPI) deployed on Oracle Cloud Infrastructure, serving 45+ patients across 3 pediatric centers, processing 200+ monthly sessions.
- Engineered scalable multi-tenant architecture with HIPAA-equivalent data compliance across international markets.
- Optimized database performance with indexed queries, connection pooling, and normalized schema handling 15+ interconnected entity types (patients, guardians, staff, sessions, patient goals, assessments).

Verizon Communications (NExT)

Jan. 2025 – Jul. 2025

Software Engineering Co-op

Boston, MA

- Architected a React/TypeScript + FastAPI/Python application with Verizon's AI & Data team deployed on AWS (ECS, Lambda, RDS PostgreSQL, VPCs) via Terraform, enabling visualization of sentiment and network data.
- Implemented an unsupervised ML pipeline (sentiment analysis, anomaly detection, KeyBERT topic modeling) across 5+ sources that reveal geospatial hotspots across all 50 US states and 4 territories.
- Enabled targeted investments and customer retention efforts that address \$150M+ in annual churn revenue loss.
- Automated ETL workflows for multi-source data collection, transformation, and analysis, establishing trend monitoring capabilities that flag emerging issues across diverse data streams.

Generate Product Development

Sep. 2024 – Present

Software Engineer

Boston, MA

- Collaborate with a cross-functional team of 11-14 designers and engineers in an Agile environment to build a series of social media applications for clients, built with TypeScript, React Native, Golang, Hono, Fiber, PostgreSQL.
- Build 25+ reusable frontend components including custom image carousels, infinite scroll feeds, and gesture-based navigation systems, with form validation, photo upload, and social connection features.
- Design backend systems and implement database schemas supporting social features like real-time activity feeds, media processing pipelines, and multi-layered user interactions.
- Enhanced application performance and integrated key services, reducing query response times by 40% with Redis caching and connecting to third-party services like the Spotify API, Amazon S3, and Supabase Auth.

PROJECTS

Briefcase | AWS SES, S3, Lambda, Comprehend, DynamoDB, Next.js, Python

Feb. 2025

- Built a serverless job application tracking pipeline with dynamic user account creation and intelligent email routing based on user authentication data and profile information.
- Trained an NLP entity recognition model on Amazon Comprehend and integrations with AWS Lambda for email content analysis, extracting fields like Position Title, Company Name, and Application Status for display.

Narro | Next.js, React, Prisma, GPT-4o, DALL-E 3, MongoDB Atlas

Nov. 2024

- Deployed a language examination platform supporting 25+ languages, featuring image generation with DALL-E 3 based on teacher-defined vocabulary and student performance evaluations.
- Integrated LLMs for automated content generation and grammar/vocabulary evaluation.

HONORS

- Top 10 Project Finalist, *SiliconXL Launchathon* (Nov. 2024)
- Honors Impact Badge, *Northeastern University* (Aug. 2024)
- Best Use of MongoDB Atlas, *HackBeanpot2024* (Feb. 2024)
- VEX Worlds Div. Champion, *Danbury Robotics* (May 2023)

Languages: Malayalam (Fluent), Spanish (Conversational), Hindi (Beginner), Arabic (Beginner)