

Aahil Nishad

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EDUCATION

Northeastern University, Khoury College of Computer Sciences 3.9/4.0 - Dean's List
Candidate for B.S Computer Science, John Martinson Honors Program *Expected Dec. 2026*
Highlighted Courses: Object-Oriented Design, Algorithms & Data, Database Design,
Theory of Computation, Website Production, Discrete Structures, Linear Algebra

SKILLS

Languages/Technologies: Java • TypeScript • HTML/CSS • Git • SQL • JavaScript • Python • C++

Frameworks: Next.js • Astro • React • React Native • Streamlit • Tailwind • Bootstrap

EXPERIENCES

Software Developer – Northeastern Electric Racing *Jan. 2024 – Present*

- Contribute to NER's FinishLine Project Management Dashboard, which manages all projects, teams, and finances using the in-house application. Now open to other Northeastern University organizations.
- Used by 100+ engineers for the construction of a competitive Formula SAE and FH+E racing car.
- Awarded the Project Management Award at Formula Hybrid + Electric 2024 at Loudon, NH.

Lead Developer – VEX Robotics [Team 5150H](#) *Sept. 2021 – June 2023*

- Implemented control systems in C++ and developed autonomous routing in cooperation with other members for team 5150H in use for 20+ competitions.
- Received 17+ awards, including the Southern New England Regional "Tournament Finalist" for competition placement and "Think Award" for exemplary programming.
- Semifinalists in the VEX Robotics Worlds Championships (2022 & 2023)

PROJECTS

[Let's Link](#) *Feb. 2024*

- Developed [Let's Link](#), a web app to informally schedule meetings with friends by analyzing Google Calendar data.
- Built with Next.js, Google Auth, Google Calendar API, and MongoDB Atlas; created a custom algorithm to optimize meeting times.
- Overcame challenges with Google Authentication and data interpretation, leading to a robust solution recognized with the MongoDB Atlas Award at HackBeanpot 2024.

[CarbonConnect](#) *Jun. 2024*

- Developed a web-based carbon emission calculator, utilizing linear regression and TFIDF cosine-similarity to predict emissions from energy usage and matches to real-life conservation organizations. Presented to leading experts in circular economy and climate advocacy at KU Leuven, EESC.
- Written with Python, SQL, Docker, Streamlit, and Flask.
- Lead the creation of MySQL relational databases and API routing to front-end and implemented front-end in collaboration with project members.

[TUNUL](#) *Apr. 2024*

- Developed [TUNUL](#), a mobile-friendly navigation website for Northeastern University's tunnel system.
- Front-end development using React and TypeScript; implemented Dijkstra's algorithm in JavaScript with JSON nodes. Part of [OasisNEU](#), worked on project management and teamwork dynamics.

HONORS

[MLH] Best Use of MongoDB Atlas, *HackBeanpot2024* (Feb. 2024)

Honors Impact Badge, *Northeastern University* (Aug. 2024)

Highest Ranked Male, *Danbury High School* (2023)

President, *Mu Alpha Theta* (2021-2023)

National Merit Commended Student (2023)

Languages: English (Native), Malayalam (Fluent), Spanish (Conversational), Hindi (Beginner)