

# Noman Ali

[noman710@protonmail.com](mailto:noman710@protonmail.com) | (718) 724-3459 | New York, NY | [github.com/numahn](https://github.com/numahn) | [linkedin.com/in/noman-710/](https://linkedin.com/in/noman-710/)

## EDUCATION

**City University of New York – College of Staten Island**

New York, NY

**Major:** Computer Science | **Minor:** Mathematics | **GPA:** 3.38

August 2019 – May 2023

**Relevant Coursework:** Data Structures, Object Oriented Programming, Full Stack Web Development, Database Systems, Algorithms, Discrete Mathematics, Linear Algebra, Software Engineering, Computer Architecture, Probability Theory

## PROFESSIONAL EXPERIENCE

**Software Engineer Intern** | *HData*

June 2022 – September 2022

- Revamped existing website and enhanced customer experience by providing business intelligence and Federal Energy Regulatory Commission forms for the energy industry, increasing user engagement by **40%**
- Increased mobile users by **100%** by developing a mobile menu and improving website readability with tooltips, integrating new styles with SASS, TypeScript, and React
- Allowed easier access control for **1000+** companies and users by developing RESTful endpoints with GraphQL
- Utilized React components and MUI to display data from GraphQL endpoints via tables, checkboxes, and modals
- Minimized bugs by **80%**, undertaking extensive unit testing with Jest and validation of RESTful API requests using the Insomnia client

## TECHNICAL PROJECTS

**OpenAI Chatbot** | *Python, Django, HTML, CSS, JavaScript, SQLite*

August 2023 – September 2023

- Created an innovative AI-powered assistant using OpenAI GPT-4 that answers user inquiries intelligently.
- Implemented robust user authentication with the Django framework, enhancing security and ensuring that only registered users could engage with the chatbot, leading to a **100%** improvement in system security.
- Optimized database performance by architecting a highly efficient SQLite database, drastically reducing memory consumption and achieving a **100%** reduction in server resource utilization.

**TechNotes** | *JavaScript, React.js, Node.js, Express.js, MySQL*

March 2023 – May 2023

- Designed and implemented a user-oriented note creation and editing feature, backed by a MySQL database
- Engineered the MySQL database adhering to best practices in database theory, ensuring efficient storage and management of user data and seamless interaction between users and their notes
- Enabled note creation and editing by creating GET, POST, PUT, and DELETE routes with Express.js
- Developed a user-friendly interface with React, HTML, and CSS, ensuring a smooth and aesthetic experience
- Adhered to best coding practices, ensuring a clean, maintainable codebase, decreasing debugging time by **20%**

**Goat Grade Collectables** | *JavaScript, React.js, Node.js, Express.js, PostgreSQL, SASS* January 2022 – February 2022

- Developed a full-stack application simulating NBA trading card gambling with virtual currency
- Established a server using Express.js, creating RESTful API routes for **15%** faster database access
- Designed a front-end user interface with Bootstrap and React on Scroll libraries, providing a dynamic experience
- Reduced latency by **10%** for real-time updates of username and currency by implementing React-Redux
- Progressed development **80%** quicker by coordinating project tracking and task assignment via GitHub and Trello, ensuring team accountability

## PROFESSIONAL CERTIFICATIONS

**Cisco Certified Network Associate (CCNA)**

October 2023 – October 2026

## TECHNICAL SKILLS

**Programming:** JavaScript, Python, TypeScript, C++, Node.js, Express.js, React.js, Next.js, HTML, CSS, SASS, Tailwind CSS, Bootstrap, Material UI (MUI), NPM, Git, SQL

**Technologies:** GitHub, GitLab, MS Visual Studio Code, Jupyter Notebook, PostgreSQL MySQL, Postman, Apache Derby, IntelliJ, Eclipse, Microsoft Office Suite, AWS, Insomnia, PHPStorm, Docker