Narayan Sharma

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EDUCATION

Northeastern University — Boston, MA
*Bachelor of Science in Data Science (**GPA: 3.8**)* — *Aug. 2021 – May 2025*

Relevant Coursework *Object-Oriented Design, Algorithms & Data Structures, Fundamentals of Computer Science 2, Discrete Structures, Foundations of Data Science, Database Design, Large Scale Information Retrieval, Information Data Visualization, Linear Algebra, Probability & Statistics*

TECHNICAL SKILLS

Languages: Java, Python, GoLang, Racket, GraphQL, JavaScript, TypeScript, Smithy
Databases: MySQL, Redis, MongoDB, Neo4j, AWS DynamoDB, Athena, Redshift, S3
Frameworks/Libraries: Flask, JUnit, Gin, gqlgen, REST, Java Spring Boot, React
Developer Tools: Git, Docker, Jupyter, MySQL Workbench, VS Code, PyCharm, IntelliJ, Eclipse, Tableau, Bones

EXPERIENCE

Software Development Engineer Co-op — August 2023 – December 2023
Amazon Robotics — *Boston, MA*

- Developed problem finders, an internal software that helps workers on the manufacturing floor to detect problems, using Java and Typescript, employing AWS Lambda functions and DynamoDB to meticulously process and categorize over 50,000 data points per day, leading to a reduction in issue resolution time for drive units and robots
- Contributed to the migration efforts of critical legacy code to modern AWS services, including Athena DB and custom data lakes, resulting in an increased performance boost, and a large reduction in maintenance overhead
- Architected and executed comprehensive unit and integration test suites with JUnit, ensuring a 98% test coverage, and facilitating the smooth integration of problem finders into the CI/CD pipeline
- Enhanced a global web application using Typescript to facilitate the centralized management and registration of problem finders, enabling users worldwide to easily create and customize schedules for problem detection, optimizing operational efficiency

Software Engineer Intern — June 2023 – August 2023
MyDataProduct — *Remote*

- Responsible for testing and optimizing mobile platform applications and maintaining development operations through automated shell scripts in the pipeline, while collaborating with cross-functional teams throughout the development Agile lifecycle
- Developed data product web applications utilizing Flask and other Python-centric frameworks/packages, leading to a 20% improvement in application response time and a 15% increase in user engagement

Full Stack Software Engineer — January 2023 – May 2023
Generate (ReMo) — *Boston, MA*

- Full Stack Software Engineer for ReMo, a data-management startup that empowers students and teachers to set goals towards reading independence
- Creating a cross-platform mobile app (iOS, Android) to extend the company's existing web infrastructure while working within an Agile environment
- Leveraging GoLang and GraphQL to re-architect ReMo's backend in order to create resolvers that are implemented as endpoints through the use of the Gin Server

Director Of Digital Innovation — September 2023 – Present
Student Government Association (SGA) — *Boston, MA*

- Spearheading the development of a diverse portfolio of custom-coded tools and websites, leveraging expertise in Python, SQL, TypeScript, and JavaScript to drive digital innovation within SGA
- Driving the creation of cutting-edge, automated solutions that optimize operational processes and streamline efficiency, employing advanced OOD principles and architectural patterns
- Providing visionary leadership to a team of talented developers, guiding and inspiring them to achieve outstanding outcomes and maximize their potential

Undergraduate Teaching Assistant — Sep. 2022 – June 2023
Northeastern University — *Boston, MA*

- Hold office hours 4 times a week for Fundamentals of Computer Science 2 to assist students with OOD/Java principles and answer homework questions for Fall 2022 and Spring 2023 semesters
- Overseeing the progression of 600+ students within each semester while promoting their computer science careers