

Satvik Seeram

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EDUCATION

New York University - New York City, NY

August 2024 - December 2025

M.S. in Computing, Entrepreneurship & Innovation

Coursework: Design and Innovation, Foundations of Machine Learning, Compiler Construction, Lean LaunchPad, Communication

Georgia State University - Atlanta, GA

August 2020 - July 2024

B.S. in Computer Science. honors college

Coursework: Machine Learning, Data structures and Algorithms, Operating Systems, Programming Languages and Concepts

WORK EXPERIENCE

Software Engineer Intern

May 2024 - August 2024

NCR Voyix – Atlanta, GA

- Coordinated a team of four interns, ensuring project alignment and reducing the overall development time by 40%.
- Developed React and Typescript boilerplate codes for the team, resulting in 70% cleaner, maintainable, and robust code.
- Implement a retail-loyalty user interface for clients to market their consumer promotions.

Software Engineer Intern

December 2023 - February 2024

WormsConnect – Atlanta, GA

- Led the migration of JavaScript and CSS modules to TypeScript and Tailwind CSS, enhancing the developer experience by 45%.
- Optimized and modularized forms using React Hook Forms and JOI validator, resulting in a 60% improvement in code reliability.
- Converted multiple pages by Figma designs into code, with diverse React form paradigms tailored to different form types.

Teaching Assistant

September 2023 - May 2024

Georgia State University – Atlanta, GA

- Tutored over 20 students in Intro to Computer Science 1 and 2 courses, emphasizing Python programming.
- Enhanced students' understanding of problem-solving techniques, i.e., developing pseudocode and coding proficiency
- Encouraged students to articulate thought processes and break down complex instructions into logical steps.

Software Engineer

January 2022 - December 2023

Georgia State University – Atlanta, GA

- Created a student-alumni social networking platform to enhance STEM primary students' career opportunities, addressing networking limitations faced by alumni on traditional platforms, benefiting over 50% of students.
 - Designed the frontend and backend of the platform using NextJS and deployed the app on the Vercel serverless environment.
 - Established a seamless pipeline from Qualtrics survey data to the database, automating manual tasks by 100%.
 - Introduce AWS DynamoDB, which resulted in a 40% improvement in data retrieval speed and reduced operation costs.
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PROJECTS

Ds-Visualizer

- Developed a data structure visualizer using Next.js and integrated PostgreSQL for optimized storage.
- Enriched over 150 students at Georgia State University through project utilization, guided by a professor.
- Showcased an impressive track record with over 500 Git clones, 100 PRs, and 15 GitHub stars.

Exec-Lang

- Conceptualized and created a dynamic programming language, embedding a cohesive lexical analyzer for precise interpretation.
 - Spearheaded the implementation of TypeScript for language execution, reducing bugs and enhancing development efficiency.
 - Validated the language against LR(1) grammar, covering four distinct operation types.
 - Showcased an adept grasp of language design, syntax analysis, and software development principles.
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SKILLS

Programming Languages: JavaScript, TypeScript, Java, Python, Go, HTML, CSS, Dart, PHP

Technologies & Tools: ReactJS, NextJS, Material-UI, Tailwind-CSS, NodeJS, ExpressJs, Flutter, Flash, NestJS, Cloudflare, GCP, AWS, Docker, GIT, Nginx, CI/DC, Serverless-computing, Jest, PostgreSQL, MongoDB, S3 Buckets, React-Native, Expo, REST APIs, PrismaJS, GraphQL