Satvik Seeram

Atlanta, GA | satvikintern@gmail.com **|** [Portfolio](#)

[LinkedIn](#) **|** [GitHub](#)

EDUCATION

Georgia State University - Atlanta, GA   *Aug 2020 – Dec 2024*

Computer Science – *3.84*

Courses: Data structures, Software Engineering, Data Science, Design and Analysis, Programming Languages and Concepts, System level, Computer organization.

WORK EXPERIENCE

Software Engineer   *January 2022 - Present*

Georgia State University – *Atlanta, Ga*

- Designed and developed a social networking platform to facilitate student career success through connections with alumni.
- Built the frontend and backend of the platform using NextJS, which uses popular technologies like ReactJS and NodeJS, and deployed it on Vercel serverless environment.
- Created a pipeline from a Qualtrics survey to the database to store required user information which automated the manual work by 100%.
- Modeled and structured the database tables using AWS DynamoDB, a scalable and high-performance NoSQL database.
- Conducted 10+ meetings with beta testers and students to gather feedback and improve the app's user interface.

PROJECTS

Ds-Visualizer   *August 2021 - December 2021*

- Created a data structure visualizer using Next.js, offering a dynamic showcase of operations, and enhanced by PostgreSQL integration for efficient storage of comments and replies.
- A professor at Georgia State University leveraged my project to educate and engage with over 150 students successfully.
- Secured full sponsorship from Vercel, enabling seamless project deployment on their cutting-edge platform while leveraging their premium pro features.
- The project contains 500+ Git clones, 100+ PR, and 15+ GitHub stars.

Portfolio   *January 2023 - Present*

- Built a personalized online platform using the Next.js framework for comprehensive frontend and backend development, enabling the sharing of diverse content, including Leetcode solutions and blogs and etc.
- Utilized GitHub as a content management system to host all materials and seamlessly integrated GitHub actions to ensure consistent content formatting.
- Uploaded over 30 leetcode problems and plan to upload one problem a day.
- Used Redis cache to improve page load speed and improve user experience.

Exec-Lang   *November 2022*

- Designed and developed a dynamic programming language with an integrated lexical analyzer for effective interpretation.
- Implemented the language using TypeScript, ensuring accurate interpretation.
- Successfully validated the language against LR(1) grammar, encompassing four distinct operation types: declaration, conditional statements, loops, and assignment statements.
- This project demonstrates a comprehensive understanding of language design, syntax analysis, and software development.

SKILLS

HTML, CSS, JavaScript, ReactJS, NextJS, EJS, Tailwind-CSS, Material-UI, Framer-Motion, NodeJs, ExpressJS, NextJS, NestJS, Flask, Cloudflare workers, Google Cloud Computing, AWS, Docker, Git, Nginx, TypeScript, JavaScript, Java, Python, Go.