

Megha Samala

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[LinkedIn](#) | [Portfolio Site](#)

SKILLS

Front End Development | HTML, CSS, JavaScript, Typescript

Back End Development | SQL, Python, Java, R

Tools | JQuery, React, Next.js, Angular, Node.js, Flask, CSS Frameworks/Libraries (Bootstrap, Material, Tailwind CSS, NG-Zorro), Templating Engines (Jinja, Handlebars), Git

Applications | Github, Bitbucket, MySQL, PostgreSQL, Microsoft Office Suite, Procreate, Visual Studio Code, Eclipse, RStudio, Agile tools (Jira, Confluence)

PROFESSIONAL EXPERIENCE

Vertex Pharmaceuticals | SWE Co-Op | January 2025 – June 2025 (Current)

- Utilized Angular, Material UI, NG-Zorro, Node.js, and Typescript to overhaul and replace outdated UI component libraries in internal-facing scientific applications, as well as create new interfaces
- Connected with stakeholders to assess needs, implement requested features and troubleshoot bugs in data-entry applications through the Agile Scrum methodology using Atlassian tools (Jira, Bitbucket, Confluence)
- Built API routes and app logic using Python with Flask and PostgreSQL

Arbor Biotechnologies | Frontend SWE Intern | July 2022 - Dec 2022

- Created new user interfaces based on design documents for internal-facing scientific applications with HTML, CSS/Bootstrap, JQuery, and Jinja to assist with data entry.
- Built backend website routes as well as app logic using Python with Flask and used SQL Alchemy and MySQL to create SQL queries to display and store data.

ACADEMIC EXPERIENCE - PROJECTS

MeghaSite | Expanded personal site built as a final project for CS601, with different features utilizing assorted technologies

- Technologies Used:** Typescript, CSS, React, Next.js, Node.js, LastFM API, Netlify
- Role:** Sole Developer, utilized Typescript and Next.js App Router with CSS to create and style components from scratch, implemented LastFM API and deployed site to Netlify with Netlify Forms functionality

TunedIn | A database created for CS669 that users can track their media consumption and media purchases with, across 5 types of media

- Technologies Used:** SQL, PostgreSQL
- Role:** Sole developer, built upon use cases and ERDs to conceptualize and implement database from scratch through weekly iterations, used ANSI SQL to create database schema and queries

EDUCATION

Boston University,

M.S. in Computer Information Systems | Web Application Development Concentration | Expected graduation May 2026

Relevant Coursework:

Database Design Implementation for Business, Information Structures w/ Java, Web Application Development

The University of Texas at Austin, Bachelor of Science and Arts,

Neuroscience | Business Spanish Certificate |

May 2022 | Overall GPA: 3.6/4.0

Relevant Coursework:

Elements of Computers and Programming, Elements of Data Science

Coding Bootcamp at

The University of Texas at Austin,

Dec 2021|

Certificate in Full Stack Web Development