

SAMVRITH ANAGOLUM

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Software Engineer · Frontend/Web Dev · Problem Solver · Team Player

EDUCATION

B.S, Software Engineering, Pennsylvania State University · GPA: 3.5/4 · Dean's List × 2 2021 - 2025

Relevant Coursework

CMPSC: 465 DSA, 461 Prog Lang Concepts, 445 ML & Data Science, 431W DBMS, 360 Discrete Maths

SWENG: 481/480 Senior Capstone, 452W Embed. Syst., 431 V&V + Testing, 421 Sw Arch, 411 Sw Eng Principles, 311 OOP Design

CMPEN: 461 Networks, 441 OS, 351 Microprocessors

IST: 412 Complex Software Systems

ENGR: 405 Project Management

SKILLS

Proficiencies	Frontend Dev, Full Stack Dev, Web Dev, Software Design, OOP, AWS
Languages	React.js/Next.js, Node.js, JS/TS, C++, C, Java, Go, C#, Python, HTML, CSS + Tailwind CSS
Databases	MongoDB, DynamoDB, JavaDB
Dev Practices	Git/Github, TDD, Documentation, Agile
Soft Skills	Communicator, High EI, Creative, Natural Leader, Flexible, Team-Spirited

PROJECTS

Schelper ([GitHub](#)): A web-based class scheduling app built for internal use at Penn State

- Next.js, Tailwind CSS, MongoDB, NGINX, PM2
- I spearheaded requirements collection from client and feature building. I built more than half of the app including frontend/UI, logic, backend, document structuring, and more. **(Team of 3)**

DineAndDiscover ([GitHub](#)): An event discovery and reservation app for a hypothetical theme park.

- Java (NetBeans), SQLite
- I Implemented about half of the features including: user authentication, profile management, event management, and checkout flows. **(Team of 2)**

Pic To Plate ([GitHub](#)): A recipe recommendation app with NLP + computer vision to suggest recipes from images.

- Next.js, Tailwind CSS, FastAPI, PyTorch, DynamoDB, AWS EC2
- I did the full backend and integration of the web-app and some of the frontend. **(Team of 4)**

The Ramiverse ([GitHub](#)): A virtual world sharing platform for exploring Unity-built environments.

- Next.js, Tailwind CSS, MongoDB, AWS S3, CloudFront, EC2
- I built most of the frontend/UI, and some routers/backend/db connection. **(Team of 4)**

Tetris: A Tetris clone built in Java using the Model-View-Controller pattern.

- Java
- I Implemented full game logic and rendering using MVC architecture. **(Team of 1 - Just me)**

COMPETITIVE PROGRAMMING

[LeetCode](#) 100+ LeetCode

HOBBIES

Piano/Music: My [YouTube](#) Channel

- Trinity Grade 8 Piano
- Performed in prestigious places like MMA (Madras Musical Association) and in school & community events,
- Participated in competitions like Christwood Virtuoso

Snooker Highest break in game: 35