SAMVRITH ANAGOLUM

+91 70223 05455 | sammyanagolum@gmail.com | Bengaluru, KA, India | linkedin.com/in/samvrithanagolum/ | github.com/SammyAnagolum |

sammyanagolum.github.io/portfolio/

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

EDUCATION

Pennsylvania State University - Erie, The Behrend College   **August 2021 - May 2025**

Bachelor's, Software Engineering   *GPA: 3.5*

- 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

PROJECTS & OUTSIDE EXPERIENCE

Schelper   *November 2024 - May 2025*

Lead Developer – Class Scheduling Web App

- A web-based class scheduling app built for internal use at Penn State:
- Built with: 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)
- *Link to project*

Dine And Discover   *May 2024 - August 2024*

Software Engineer – Event Discovery & Booking Platform

- An event discovery and reservation app for a hypothetical theme park:
- Built with: Java (NetBeans), SQLite
- I Implemented about half of the features including: user authentication, profile management, event management, and checkout flows. (Team of 2)
- *Link to project*

Pic To Plate   *August 2023 - January 2024*

Backend & Integration Engineer – AI-Powered Recipe App

- A recipe recommendation app with NLP + computer vision to suggest recipes from images:
- Built with: 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)
- *Link to project*

The Ramiverse   *May 2023 - August 2023*

Frontend Developer – Virtual World Sharing Platform

- A virtual world sharing platform for exploring Unity-built environments:
- Built with: 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)
- *Link to project*

Tetris   *May 2023 - August 2023*

Solo Developer – MVC Tetris Game in Java

- A Tetris clone built in Java using the Model-View-Controller pattern:
- Built with: Java
- I Implemented full game logic and rendering using MVC architecture. (Team of 1 - Just me)

SKILLS

Skills: Web Development, React.js, Next.js, Node.js, JavaScript, TypeScript, C#, Java, Go, Python, HTML/CSS, MongoDB, Git, Agile, Communications, Natural Language Processing (NLP), Computer Vision, FastAPI, Pytorch, Nginx, DynamoDB, AWS CloudFront, AWS S3, AWS EC2, AWS, C++, REST APIs, Java, Tailwind CSS, FastAPI, MySQL, SQL, NoSQL, API, GitHub, Data Structures & Algorithms, TDD (Test Driven Development), Documentation, End-to-end

Languages: Hindi, Kannada, English

Interests: Piano/Music, Snooker

COMPETITIVE PROGRAMMING

LeetCode 100+ LeetCode

INTERESTS

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