SAMVRITH ANAGOLUM

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An aspiring, self-driven, creative, and intuitive problem-solving Software Engineering student with an intent to bring about meaningful improvements in people's lives.

EDUCATION

Bachelor Of Science - BS, Software Engineering, Pennsylvania State University Class Of 2025
GPA 3.5, Dean's List × 2.

Relevant Coursework

CMPSC: **465** Data Structures and Algorithms, **461** Programming Language Concepts, **445** Applied Machine Learning in Data Science, **360** Discrete Mathematics for Computer Science

SWENG: **481 & 480** Software Engineering Design, **452W** Embedded Real Time Systems, **431** Software Verification, Validation, and Testing, **421** Software Architecture, **411** Software Engineering, **311** Object-Oriented Software Design and Construction

CMPEN: **461** Communication Networks, **441** Operating Systems, **351** Microprocessors

IST: **412** The Engineering of Complex Software Systems

ENGR: **405** Project Management for Professionals

SKILLS

Proficiencies	Software Design, Web Dev, OOP, Systems Programming, Linux, Socket Programming, AWS
Languages	C++, C, Java, Go, C#, Python, HTML5, CSS3, JavaScript, TypeScript, React.js
Environments	NetBeans, IntelliJ IDEA, Visual Studio, Jupyter, Spyder, Github, Replit
Tools/Libraries	Node.js, Next.js, Tailwind CSS, Numpy, Pandas, Scikit-Learn, MS Project
Soft Skills	Communicator, High EI, Creative, Natural Leader, Flexible, Team-Spirited

PROJECTS

Schelper A class scheduling app for internal use in Penn State, built as a web app using React/Next.js, Tailwind, MongoDB, as well as NGINX for routing and PM2 for live server.

DineAndDiscover An event discovery and reservation app using Java (JDK 20) in NetBeans (version 20) for a hypothetical theme park. Features include user authentication, profile management, event browsing and management, and checkout.

Recipe For Success A recipe recommendation web app that utilized NLP and computer vision. The tech stack for the web app included Next.js, Tailwind CSS, AWS DynamoDB, PyTorch, FastAPI, and AWS EC2.

The Ramiverse Ramiverse is a web platform that allows users to upload and explore virtual worlds built using the Unity platform (Try Beta here). The web app leveraged Next.js, Node.js, Tailwind, MongoDB, and AWS S3, CloudFront, and EC2.

Tetris I recreated the popular Tetris video game in Java using the MVC (Model - View - Controller) architecture. In this way, one could add as many kinds of shapes as needed without changing the existing code

Personal Website I built a personal portfolio website as part of a course in CSS using HTML and CSS.