

OWAIS AAMAN

Stony Brook, NY

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Education

Stony Brook University

Master of Science in Computer Science

Aug 2023 – May 2025

Stony Brook, NY

SRM Institute of Science and Technology

Bachelor of Technology in Computer Science; GPA: 3.50/4.00 (WES Evaluation)

Jun 2018 – Jun 2022

Chennai, India

Relevant Coursework

- Operating Systems
- Data Structures
- Analysis of Algorithms
- Artificial Intelligence
- Software Engineering
- Computer Architecture
- OOPS
- Computer Networks

Experience

Zensar Technologies

Mar 2022 – August 2023

Software Engineer

Pune, India

- Developed a web-based project management system for Cisco Systems client using MERN Stack.
- Designed user interfaces with React, built RESTful APIs with Node.js and Express, and maintained MongoDB database.
- Implemented AWS services for deployment and hosting, collaborated with the team using Git and Agile methodologies, and received positive client feedback.

Jio Creative Labs

Sep 2021 – Nov 2021

Research Intern

Noida, India

- Conducted in-depth marketing research for multiple clients over three months.
- Utilized customer journey maps and consumer profiles to improve messaging effectiveness and drive lead generation.
- Coordinated with cross-functional teams, delivered insights to senior management, and helped clients achieve their marketing goals on time and on budget.

Goldman Sachs

Jul 2021 – Aug 2021

Summer Analyst

Hyderabad, India

- Reduced a bottleneck by migrating database hotkeys to an in-memory, distributed cache.
- Recreated performance setup, optimized the cache configuration, carried out performance benchmarking and recorded a minimum 4x performance increase per transaction.
- Architected a solution for ACID compliance across both datastores based on "two-phase commit protocol".

Projects

Locating EV Charging Stations with Dijkstra's Algorithm

Jun 2021 – Dec 2021

- Developed system using Python, JavaScript, and geolocation data to find nearest charging stations using real-time APIs for charging station providers.

Pharmacy Management System

Apr 2021 – May 2021

- Designed and developed software system for streamlining medication and pharmacy operations, using Java, MySQL and web development languages.

Detection of Malicious URLs using Machine Learning

Feb 2021 – May 2021

- Developed system to identify and block malicious URLs using Scikit-learn, Python programming and web browser extensions.

Software Testing of Mobile Apps using Cloud Computing

Sep 2020 – Dec 2020

- Developed testing tools and frameworks for mobile app testing, using cloud computing and Google Firebase to execute tests at scale, identify issues and automate test cases.

Technical Skills

Languages: C++, Python, HTML/CSS, JavaScript

Frameworks: React, jQuery, Bootstrap

Tools & Technologies: MERN Stack (MongoDB, Express, React, Node.js), Git, AWS

Databases: MongoDB, MySQL

Leadership / Extracurricular

- Teaching Assistant for Software Engineering, SRMIST (2019): Initiated and coordinated on-campus initiatives for the course Software Engineering and project management.
- Supporting staff Texus, SRMIST (2018-2021): Organized events and activities for 900 computer science and engineering students.
- Athletic Representative, Glendale Academy (2015): Represented the school in athletic competitions and events.