

SUMAIR SOOMRO

📞 774-312-9669

✉ sumairsoomro@umass.edu

🌐 [LinkedIn](#)

🐙 [Github](#)

🌐 [Personal Portfolio](#)

Education

University of Massachusetts Amherst

Bachelor of Science, Computer Science GPA: 3.3

Expected Graduation, May 2025

Chancellor's Award: \$12000 scholarship

- **Relevant Coursework:** Data structures and algorithms, Programming methodology, Computer Systems, Software Engineering, Algorithms, Operating Systems, Artificial Intelligence, Search Engines, Applications of Databases

Experience

Visionet Systems

Software Development Engineer Intern

May 2024 – August 2024

Cedar Brook, New Jersey

- Redesigned Canada Goose's website using the **MERN** stack, focusing on key features and performance optimization.
- Implemented responsive web design with **React**, improving mobile traffic by **22%** and reducing server response time by **40%** using **Node.js** and **Express**.
- Implemented MongoDB for real-time inventory tracking, improving order accuracy and system reliability by **18%**.
- Collaborated with front-end developers to improve UI/UX, ensuring a seamless user experience.

Paysys Labs

Backend Software Engineering Intern

Dec 2023 – Jan 2024

Karachi, Pakistan

- Developed and maintained backend services using **Spring Boot** to support company's payment services.
- Assisted in integrating third-party APIs and external services, ensuring smooth and secure data exchange for payment processing.
- Performed **CRUD** operations and optimized database queries in **MySQL**, enhancing system performance and reliability by **12%**.
- Participated in code reviews and testing, contributing to the code quality and robustness of the backend services.

University of Massachusetts Amherst Computer Science

Undergraduate Course Assistant, CICS110: Foundations of Programming

Sept 2024 – Present

Amherst, MA

- Conducted weekly office hours, providing support over **350 students** on assignments, projects, and key programming concepts. Responsible for grading exams and homework, ensuring accurate assessment and timely feedback.
- Enhanced student comprehension by simplifying complex programming topics, with a focus on **Python**, and fostering effective problem-solving skills.

Projects

RateMyUniversity: A University Rating Web Application | MongoDB, Express, React, Node.js

- Led a team of developers in creating 'RateMyUniversity', a web application inspired by RateMyProfessor, utilizing the **MERN** stack to provide detailed university ratings and reviews, and handling over **5,000** daily submissions.
- Implemented **MongoDB** for scalable data storage, managing up to **1TB** of review data, and developed backend services with **Node.js** and **Express** for high performance. Integrated user authentication for secure, personalized access.

OutReach Bot: Automated Networking Solution | JavaScript, Node.js, Express, React, Postman, AWS

- Collaborated as part of a development team to create 'OutReach Bot', automating networking based on filters like company, location, and job title, improving outreach efficiency by **50%**.
- Utilized **Apollo API** and **PostgreSQL** for efficient data retrieval and management, supporting up to **10,000 users** and **100,000 contacts**, while building user-friendly interfaces with **React** to enhance user satisfaction by **30%**.

DailyThoughts: Django-based Journaling App | Python, Django, JavaScript, HTML, CSS, PostgreSQL, AWS

- Developed an app built with **Django**, attracting over **20 active users** within the first month and supporting over **10,000 entries**.
- Integrated **PostgreSQL** for efficient data management and **AWS** for scalable storage, capable of handling up to **5TB** of data, and implemented secure user authentication to enhance engagement and personalized user experiences.

Technical Skills

Programming languages: JavaScript, TypeScript, HTML, CSS, Python, Java, C, MySQL, PostgreSQL, LaTeX

Technologies/Frameworks: React, Node.js, MongoDB, Express.js, Springboot, Github, Git, Django, AWS, Postman