

EDUCATION

Course	Institute	Board/University	Year	%/CGPA
M.Sc. (Cyber Security)	University of Chester	University of Chester	2025-26	–
M.Tech. (CSE)	IIT Madras	IIT Madras	2020-22	9.44
B.Tech. (CSE)	School of Engineering	CUSAT	2014-18	7.47
Intermediate/12th	S.N. Vidya Bhavan	CBSE	2014	88.4%
Matriculation/10th	CSM Central School	CBSE	2012	9.2

WORK EXPERIENCE & INTERNSHIPS

- Freelance Software Developer** (September 2023 - November 2024)
 - Delivered full-stack web development projects using the MERN stack (MongoDB, Express.js, React, Node.js) for clients across various industries.
 - Designed, implemented, and maintained scalable and responsive applications tailored to client requirements.
- Software Engineer | VISA** (June 2022 - August 2023)
 - Played a pivotal role in the DCM backend team, focusing on addressing security findings
 - Collaborated closely with security engineers to detect, analyze, and rectify vulnerabilities in the application
 - Employed SAST and DAST tools for comprehensive security assessments
- Software Engineer Intern | VISA** (May 2021 - July 2021)
 - Implemented robust integration testing utilizing TestContainers
 - Successfully replaced the H2 database with a MySQL container, enhancing the developer experience
- Automation Engineer | Broadcom** (June 2018 - November 2018)
 - Contributed to the WLAN Automation Team, actively involved in developing and automating test cases
 - Leveraged Python for automation, ensuring the efficiency and accuracy of test case execution

PROJECTS

- Dynamic Graph Algorithms for GPU, (Code)** (July 2021 - June 2022)
 - Developed a CUDA-based solution for efficient processing of dynamic graphs, integrating it into the Starplat DSL
- Swift Typer App, (Code)**
 - Developed a sleek and interactive typing app using React, TypeScript, Tailwind CSS, and Framer Motion for a responsive and animated user experience, focusing on enhancing typing speed and accuracy.
- Chat App with MERN Stack, (Code)**
 - Developed a real-time chat application using Node.js, React, Express.js, MongoDB, and Socket.IO
- Sentence Similarity Checking, (Code)** (August 2017 - March 2018)
 - Engineered a Siamese LSTM model to execute sentence similarity checks

TECHNICAL SKILLS

- Programming & Scripting Languages:** HTML, CSS, Javascript, TypeScript, C++, Java, Python, SQL
- Tools & Frameworks:** Node.js, Express.js, React, Prisma, Tailwind CSS, npm, Git, GitHub, \LaTeX
- Databases:** PostgreSQL, MongoDB

POR & SCHOLASTIC ACHIEVEMENTS

- Awarded the **Prakash Arora Prize** for achieving the highest CGPA in the first and second semesters of the M.Tech program in Computer Science and Engineering (2020 - 2021)
- Recognized with the **Star Teaching Assistant Award** for outstanding contributions (2021 - 2022)
- Key team member in successful **Graph DSL patenting** during master's program (2021 - 2022)
- Served as a **Teaching Assistant** for the courses CS6023: GPU Programming, CS2700 : Programming and Data Structures and CS2810 : Object Oriented Algorithms Implementation & Analysis Lab (February 2021 - April 2022)