

Sheel Patel

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Education

North Carolina State University
B.S. *Computer Science*, 4.0 Overall GPA
Dean's List 4.0 GPA (seven consecutive semesters).

Raleigh, NC
December 2025

Advanced Course Work
Data Structures and Algorithm
Web development
Operating systems in C

Software Engineering
Intro to Artificial Intelligence
Cloud Architecture

Work Experience

Direct Supply

Raleigh, NC

December 2022 - Present

Software Engineering Intern

- Assisted in implementing infrastructure as code using AWS Terraform to create infrastructure for marking websites using CI/CD and adding content from a Content Management System Magnolia
- Developed and implemented a Lambda/Terraform system to run scheduled jobs on PostgreSQL and MSSQL databases, ensuring regular cleanup and maintenance for optimized database performance.
- Worked on a dynamic team, gaining practical experience in Agile environment, effectively contributing to spring planning, stand-ups, and agile method for software development.
- Developed understanding of website vulnerabilities, by actively participating in vulnerability assessments using Tenable.io and fixing them to improve overall security posture of web applications.

North Carolina State University College of Learning

August 2022 – December 2022

Technology specialist

- Troubleshoot and maintained library devices, ensuring optimal functionality and user satisfaction through prompt and effective issue resolution
- Enhanced teamwork and communication skills by collaborating with staff and patrons to provide technical support and training sessions.
- Learned Microsoft Visual Basic to write automated Excel spreadsheets.

Projects

**Coffeemaker Project April
2024 – May 2024:**

- Developed a coffee maker application using Angular framework for a dynamic and responsive front-end interface
- Utilized MySQL database for efficient data storage and retrieval of user preferences and transaction history.
- Implemented a robust backend in Java with Spring Boot, leveraging Hibernate ORM for seamless database interactions.
- Collaborated with a team to ensure smooth integration of front-end and back-end components, enhancing project efficiency and functionality.

TECH@NCSSU Club Full Stack GitHub clone project

October 2023 – Present: [Github](#)

- Working with Docker, .NET, MySQL, and contributing in the development of a robust full stack web application to host repositories.
- Collaborating in a school club that is developing a full stack application for creating a repository hosting service.
- Developed a repository component in a small team that contains user repositories obtained from the database in the backend.

Skills

- Programming /Technology:** Java, JavaScript, HTML, CSS, Microsoft suite, G-Suite, Angular, React, Amazon Web Services, Terraform by Hashicorp, MySQL.
- Additional Skills:** Adaptable, Team player, problem solver, communication, self-starter, agile development