

# HRISHITA SHAH

## B.Tech Student in Computer Science and Engineering

📞 (+91) 9006100257    @ hrishita.shah1393@gmail.com    🔗 (1) Hrishita Shah | [LinkedIn](#)  
🔗 [Hrishita-Shah \(Hrishita Shah\)](#) | [Github](#)



## SUMMARY

As a B.Tech student in Computer Science and Engineering, I combine strong academic performance with practical experience in software development and cloud technologies. My internship at **Accenture** provided valuable hands-on experience in application development, where I gained proficiency in **agile methodologies** and exposure to enterprise-level software solutions. I excel at problem-solving and thrive in collaborative team environments.

## EXPERIENCE

### Advance Application Engineering Analyst - Intern

#### Accenture

📅 05/2024 - 07/2024    📍 Bangalore, India

- Constructed a healthcare management system prototype utilising **Java Spring Boot**, achieving a **95% success rate** in compiling and running without errors during testing phases
- Built a robust and user-centric frontend with **React & Vue JS**, resulting in a **20% decrease** in data retrieval times due to optimised **RESTful API** integrations for real-time patient data and medical history tracking
- Implemented a scalable **MySQL** backend with modular APIs, enhancing data flow using Axios and supporting **3x** more concurrent connections while automating **CRUD operations**

## PROJECTS

### Drone-Based IoT Offloading Network System

📅 09/2024 - 04/2025

- Designed a drone-based relay system simulation with 6 drone flight tests, identifying key thresholds in **data transmission rates** in congested urban IoT environments & addressing the 3 main causes of network downtime
- Developed DBS placement algorithm with **D2D communication** validation protocols using custom flight trajectories, covering 54 high-density grids serving 600+ mobile users across a 2km<sup>2</sup> disaster area
- Engineered a task offloading optimization system for mobile devices, distributing computational tasks to DBS units & extending **battery life by 35%**, resulting in a notable decrease in the drone's energy consumption

### ACM-Women Club Website

📅 11/2023 - 03/2024

- Collaborated with **6+ members** to develop the ACM-Women organisation's website, implementing responsive design principles and modern UI components to enhance user engagement and accessibility across multiple devices
- Architected **3 core functional pages** including 'Initiatives', 'Opportunities', & 'Mentorship' sections, where backend-driven content is integrated with interactive features to showcase the club's programs and resources, which leads to **80+ students** connecting with mentors
- Used **Next.js** with **TypeScript** and the **ShadCN** component library to implement server-side rendering, optimising site performance to load in under two seconds on mobile devices for enriched user experience

## EXTRA CURRICULAR ACTIVITIES

### 📍 National Cadet Corps (NCC) - Sergeant

Led as Troop Commander, managing junior cadet training activities.

### ⚙️ Association for Computing Machinery (ACM)

Executive Member of the ACM Student Chapter, contributing to Summer Mentorship Programme, mentoring over 60 juniors.

### 🌸 The Utkrishta Bharath Club - Indic Renaissance Head

Successfully organized the Indic Renaissance Cultural Fest with over 700 attendees

## KEY ACHIEVEMENTS

### ★ Study of Topological Connectivity of Optical Networks Using Graph Spectra

Published research paper on The 14th International Conference on Computing, Communication and Networking Technologies (ICCCNT) - IIT DELHI

### 💡 National Talent Search Examination: NTSE Scholar

Selected among top 1,000 students nationwide for merit-based scholarship

## EDUCATION

### B.Tech in Computer Science and Engineering

#### National Institute of Technology Karnataka

GPA  
**7.58 / 10**

📅 12/2021 - 05/2025

📍 Karnataka, India

### CBSE AISSCE - 12th

#### Delhi Public School, Vindhyanager

GPA  
**10 / 10**

📅 02/2016 - 04/2021    📍 M.P., India

## SKILLS

### Languages

C++, C, Python, Java, HTML, CSS, JavaScript, MySQL

### Frameworks

Spring Boot, Node.js, React.js, Vue.js, Bootstrap, Power BI

### Libraries & Tools

NumPy, Pandas, RxJS, Axios, Git, Kafka, Maven, Docker, Postman, AWS, Google Cloud

### Coursework

OS, DSA, DBMS, ML, Computer Networks, Advanced CN, Cloud Computing

## CERTIFICATION

### AWS Cloud Quest: Cloud Practitioner

Completed comprehensive AWS cloud practitioner training through interactive 3D role-playing game environment. Gained hands-on experience with core AWS services including EC2, S3, RDS, Lambda, Route 53, IAM, VPC networking, and cloud security concepts

### Google Cloud Computing Foundations

Completed foundational courses on cloud computing, infrastructure, networking, security, data in Google Cloud. Hands-on experience creating and managing cloud resources, building networks, and performing data tasks