

Sharanya M S

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EXPERIENCE

APP DEVELOPMENT INTERN | INTERN

Oct 2023 – Nov 2023 | M S Ramaiah Institute of Technology, Bengaluru

- Developed a Flutter-based application for teachers to efficiently store student details and manage event lists.
- Implemented secure data storage and retrieval mechanisms, ensuring quick access to student records.

SAMSUNG R&D INSTITUTE | RESEARCH INTERN

Oct 2024 – present | Bengaluru, India

- Developing a Java SDK for Samsung SmartThings, enabling seamless integration with IoT applications.
- Utilizing Maven for dependency management to ensure scalable and efficient development.
- Implementing secure authentication mechanisms with ID and key-based access control for enhanced security.

UDEMY | FULL STACK WEB DEVELOPMENT COURSE

Aug 2024 – Oct 2024 | Bengaluru, India

- Learned HTML, CSS, JavaScript, and React, integrating them with Node.js and MongoDB to build full-stack applications.
- Developed dynamic web projects, including a Recipe App that fetches and displays data using external APIs.
- Created multiple portfolio websites, showcasing skills in front-end and back-end technologies.

PROJECTS

PNL FOR NAMED DATA NETWORKING | DATA STRUCTURES

- Paradigm-shifting approach to address the intricate challenge of name-based route lookup in Named Data Networking (NDN).

BGP ROUTE POISONING SIMULATION | ETHICAL HACKING

RESEARCH(CYBER SECURITY)

- Simulated BGP route poisoning in a Java-based network model within a virtualized Kali Linux environment to reveal vulnerabilities and impacts on network routing.

RASOI GHAR | DBMS PROJECT

- Developed a full-stack web application for managing recipes using React.js for the frontend and Node.js with MongoDB for the backend.

IMAGE CAPTIONING - COMPARATIVE ANALYSIS | AI/ML PROJECT

Ongoing

- Conducted a comparative analysis between CNN-RNN models and Transformer-based models for image captioning tasks.

EDUCATION

M S RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE

Expected June 2026 | Bengaluru, India

CGPA: 9.28 / 10

SKILLS

PROGRAMMING

3+ years:

Java • Python • C

2+ years:

Flutter • R

1+ years:

HTML/CSS • JavaScript (React.js)

0+ years:

Matlab • SQL

TECHNOLOGY

Git/Github • Linux

UNIX • Windows

Artificial Intelligence • Automation

COURSEWORK

UNDERGRADUATE

Data Structures

Analysis of Algorithms

Data Communication and Networking

Block Chain and App Development

Cloud Computing and Big Data Artificial Intelligence

DBMS

Operating Systems I

Calculus I-IV

Data Analysis I

HOBBIES

Immersing myself in acting and theatrical performances

Gym training & fitness

Expressing myself through dance

LINKS

Github:// [Sharanya-Gowda](#)

LinkedIn:// [Sharanya M S](#)

Portfolio:// [Sharanya M S](#)