RITIKA SRIVASTAVA

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EDUCATION

Vellore Institute of Technology, Bhopal   July 2021 - July 2025
Bachelors of Technology in Electronics and Communication Engineering   **CGPA: 8.29/10**

EXPERIENCE

Design and Verification Intern | Maven Silicon   Aug 2023 - Oct 2023
- Acquired hands-on VLSI expertise by completing AHB2APB Bridge Design course.
- Designed an AHB to APB Bridge to improve data transfer speed and enhance system communication for better performance and reliability.
- Strengthened debugging skills, ensuring full protocol compliance and seamless integration.

Salesforce Developer | Intern | Salesforce   July 2024 - Sep 2024
- Completed Salesforce Trailhead modules, mastering CRM architecture and data management, earning 13 Superbadges.
- Earned Superbadges for process automation, improving efficiency by streamlining business workflows.
- Implemented skills in Apex and LWC through hands-on Trailhead projects, completing 29 modules and reinforcing modern development tools.

PROJECTS

Meet Move
- Developed and deployed a video conferencing web application using WebRTC and Socket.io to enable real-time communication between users.
- Built an AI-powered posture correction bot using TensorFlow to improve posture detection accuracy and user response time.
- Developed a meeting scheduler with error handling for date issues and secured user access using Firebase authentication.

Cardio Care Predictor
- Built a Flask REST API predicting coronary heart disease with 88% accuracy using the Framingham Heart Study dataset.
- Integrated a chatbot for hospital bookings and Google Maps API for locating top cardiac hospitals.
- Developed a responsive BMI/BMR calculator with personalized health tips, boosting user engagement by 40%.

CERTIFICATIONS

- **Postman** (Postman API Fundamentals Student Expert)
- **Bharat Intern** (Web Development)
- **Smart India Hackathon** SIH Finalist.

SKILLS

C, C++, Python, HTML, CSS, JavaScript, React.js, Node.js, MongoDB, Flask, REST API, Arduino, LTSpice, MATLAB, Sensors,

RELEVANT COURSEWORK

Data Structures, Algorithm, Database Management System, Object Oriented Programming, MySQL, Machine Learning, AI, Sensors and IoT, Embedded System, VLSI Design

POSITIONS OF RESPONSIBILITY

Student Mentor at Vellore Institute of Technology, Bhopal
Mentored and guided 30+ students during the National Symposium on Innovations in Intelligent Systems at VIT Bhopal University.

OPEN SOURCE CONTRIBUTION

- Made 10 impactful contributions to the **GirlScript Summer of Code (GSSoC) 2023**, enhancing open-source projects and collaborating with developers worldwide.
- Actively participated in **Hacktoberfest 2023**, completing multiple pull requests and improving open-source software.
- Maintained a **178-day streak** on GeeksforGeeks (GFG), consistently solving problems and enhancing skills.