

RAHUL BAMANIYA

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OBJECTIVE

Enthusiastic Computer Science student with expertise in Artificial Intelligence, Machine Learning, and Full-Stack Development. Seeking an internship to apply AI/ML and software engineering skills in solving real-world challenges related to space and satellite technologies while gaining hands-on experience in research and development.

EDUCATION

- Computer Engineering|Shri G.S Institute of Technology and Science,Indore CGPA: 7.6 | Nov'22-Present
- XII (MP Board)|Excellence Bal Vinay Mandir School,Indore 94% | 2021
- X (MP Board)|MGM Higher Secondary School,Indore 93% | 2019

PROJECTS

- **Satellite Image Classification using Deep Learning** Jan 2025 - Feb 2025
Tools: TensorFlow, OpenCV, CNN 
 - Developed a CNN model for satellite image classification using TensorFlow OpenCV.
 - Achieved high accuracy in land cover detection with optimized feature extraction.
- **AI-Based Space Debris Detection** Feb 2025 - March 2025
Tools: YOLO, Faster R-CNN, OpenCV, TensorFlow 
 - Developed an AI model using YOLO Faster R-CNN for space debris detection.
 - Enhanced detection accuracy, aiding in efficient space monitoring.
- **Perfect Dhaga** July - Sept 2024
Tools: HTML, CSS, JavaScript, Node.js, SQL, Express 
 - Developed a backend using Node.js, Express, and SQL for seamless user-tailor interactions.
 - Implemented authentication, order management, and secure payment processing.
- **AI-Powered Travel Planner** Aug 2024 - Present
Tools: Node.js, Express, MongoDB, Gemini API 
 - Built an AI-driven itinerary planner using the Gemini API.
 - Structured itineraries with categorized activities.
 - Integrated MongoDB for user preferences past trips.

SKILLS

- **Programming:** Java, C++, Python, JavaScript, HTML, CSS
- **Frameworks & Tools:** Node.js, Express, GitHub, VS Code, Figma, Canva
- **Databases & Cloud:** MySQL, MongoDB, Firebase, AWS (Basics)
- **AI/ML & Data:** scikit-learn, OpenCV, NumPy, Pandas, TensorFlow (Basics)

EXTRACURRICULAR ACTIVITIES

- **Hacktoberfest Contributor:** Oct -Nov 2024
Contributed to multiple repositories in Hacktoberfest, collaborating with the open-source community.
- **GirlScript Summer of Code (GSSoC) Contributor:** Oct - Nov 2024
Ranked 240th out of 17,000 contributors, showcasing strong problem-solving skills.

SCHOLASTIC ACHIEVEMENTS

- Solved 400+ DSA problems on GeeksforGeeks and LeetCode.
- Certified in MongoDB, specializing in NoSQL database management.
- Successfully merged 20+ pull requests in Hacktoberfest.
- Ranked 240th out of 17,000 contributors in GirlScript Summer of Code.
- Metropolitan Award winner for top State Board score.