

MEREENA BODANAPU

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Summary

Final-year Computer Science Engineering student with a strong foundation in Java, DSA, and full-stack development. Build projects like an AI-powered first aid assistant and a gamified coding platform, demonstrating creativity and execution. Passionate about AI, edtech, and scalable systems; eager to join innovative teams and make meaningful impact through code.

Education

Mohan Babu University | Tirupati, Andhra Pradesh

CGPA: 9.21

B. Tech in Computer Science

2022 – 2026

Narayana Jr. College | Tirupati, Andhra Pradesh

Percentage: 91

Board of Intermediate Education (XII)

2020 – 2022

Experience

Software Development Intern | ISRO - SDSC SHAR

Mar 2025 - Apr 2025

- Worked with the Range Operations (RO) team in SCOF to develop an online visit request system and online visit admin – Web Development, Full Stack (HTML, CSS, JS), Database Design, System Integration.

Android Development Intern / Google for Developers

Oct 2024 – Dec 2024

- Contributed to the India Edu Program under Google for Developers to develop educational Android applications – Mobile Development, Firebase Integration, UI/UX Design, Real-time Systems.

Space Technology Intern / Agnirva

Dec 2024 – Feb 2025

- Assisted in the development and simulation of satellite missions under the Agnirva Space Program – Satellite Modeling, Orbital Mechanics, Mission Architecture, Python-based Tools, Subsystem Design.

Projects

CodeKid Galaxy | Java, HTML/CSS, JavaScript [LINK](#)

- Developed a gamified coding platform for students below 10th grade to teach programming through MCQs.
- Added language and level selection, race car progress tracking, and a rewards system with stars and gifts.
- Designed the experience to make learning fun, engaging, and focused on problem-solving skills.

MediGenie – First Aid AI Assistant | Python, React.js, OpenAI API, Google Speech API [LINK](#)

- Built a generative AI assistant that provides real-time, symptom-based first aid guidance via voice or text.
- Integrated NLP, speech processing, and geolocation to enable hands-free emergency interaction.
- Enhanced accessibility by suggesting nearby hospitals and emergency contacts for faster response.

CubeCrack– Intelligent Rubik's Cube Solver | Python, Java, DSA, HTML, CSS, JavaScript [LINK](#)

- Built a web-based application that solves a Rubik's Cube using image input and automated face color detection.
- Implemented the cube's internal state representation and solving algorithm using AI logic and data structures.
- Delivered real-time, step-by-step move instructions through a dynamic and interactive web interface.

Skills

Languages: Java (DSA), JavaScript, C#, Python, SQL

Tools: HTML, CSS, React.js, MongoDB, Git, GitHub, VS Code

Domain: Web Dev, Data Structures & Algorithms

Achievements

- Active member of ISTE (Indian Society for Technical Education), tech talks, and innovation summits to foster technical leadership and collaboration.
- Consistently ranked in the top 10 of the class throughout the academic tenure.
- Achieved Google Cloud Certified Associate Cloud Engineer certification.