

# CHARISHMA BOLLINENI

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CHARISHMABOLLINENI

Charishma608

Portfolio

## EDUCATION

Indian Institute Of Information Technology , Sricity  
Computer Science and Engineering

8.2/10  
2022 - 2026

## TECHNICAL SKILLS

**Programming Languages:** C++, Python, Java

**Libraries and Tools:** React, Bootstrap, jQuery, Express, Pytorch, OpenCV, Matlab, Linux, Git, Hugging Face, Jenkins

**Web Technologies:** HTML5, CSS3, JavaScript, Node.js, SQL, Django, MongoDB, Redis

**Web3 & Blockchain** Web3.js, Ethereum, Smart Contracts

## WORK EXPERIENCE

### Software Engineer Intern

Blu Oceans Innovations Pvt Ltd, Delhi, India

August 2024 - September 2024

- Developed high-performance web applications using React, Node.js, Express, and MongoDB, enhanced user experience by 30% through optimized code.
- Created RESTful APIs to ensure secure and efficient communication between frontend and backend, resulting in a 25% reduction in data retrieval times
- Refactored code and fixed bugs, implemented best practices to improve system performance by 20%.

### Research Intern

ISRO, Andhra Pradesh, India

June 2024 - July 2024

- Developing algorithms using CNN techniques, improving image quality for satellite imagery by 15%.
- Ensuring accuracy of images by testing and validating models on 2,000 images, increasing clarity and precision.
- Training models on 1,500 datasets, applying the improved algorithms to Chandrayaan-2 sample data, enabling detailed and accurate lunar surface analysis.

### MERN Stack Intern

VBC Developers, Tamil Nadu, India

May 2024 - June 2024

- Led a team of 5 developers, resolving real-time issues, and increasing project efficiency.
- Implemented a structured communication framework, resulting in a 30% increase in team engagement.
- Developed and tested MERN stack applications, contributing to a repository with over 1,500 lines of code and 150+ commits, ensuring code quality, robustness, and maintainability.

## PROJECTS

- CyberTea** | React, Nodejs, TypeScript, Vite, Eslint, MongoDB [GitHub](#) [Live Demo](#)
  - Led the development of cutting-edge cybersecurity measures, integrated into workshop website.
  - Implemented robust security protocols, resulting in a 40% reduction in cyber threats and vulnerabilities.
  - Enhanced website security with advanced encryption techniques for industry-standard compliance
- ParkDynamix** | Java, DBMS (MySQL), Java Swing, API, Git [GitHub](#)
  - Developed a Java-based parking management system, optimizing allocation and reducing congestion by 30%.
  - Implemented automated parking assignment, improving efficiency by processing 500+ transactions daily.
  - Enhanced operational efficiency with record-keeping, fee calculation and billing features.
- Face-Recognition-for-Attendance-Systems** | OpenCV, NumPy, TensorFlow, Raspberry Pi [GitHub](#)
  - Developed a face recognition system using the Haar Cascade algorithm, achieving 95% accuracy.
  - Managed the end-to-end process from image capture to testing, ensuring system reliability.
  - Developed key components including 'generateimages.py', 'createdataandlabel.py', 'model.py' & 'testing.py'.

## ACHIEVEMENTS

- Successfully completed a comprehensive 63 hours web dev bootcamp on Udemy, gaining in-depth knowledge.
- Achieved Top 10 placement in Thryve Digital National Healthcare Hackathon 2023.
- Achieved Top 1% ranking in GCCP Cloud Campaign 2023, recognized for excellence in Google Cloud technologies.

## POSITIONS OF RESPONSIBILITY

- Web Development Core Member** in IOTA Club, IIIT Sricity contributing to various sessions & events.
- Technical Team Member** in Abhisargha Annual Fest, IIIT Sricity supporting event logistics.
- Tech Lead** in Epoch Club, IIIT Sricity managing team of 6 members and working on live industrial projects.