

MANGLAM JAISWAL

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OBJECTIVE

Third-year B.E. Electronics & Computer Science student (Honors in Cybersecurity) at Fr. Conceicao Rodrigues College of Engineering with skills in full-stack development, cybersecurity, and the Internet of Things (IoT). IoT Lead at Project Cell, leading real-world tech projects. Internship experience at Apraava Energy with strong problem solving, collaboration, and industry exposure.

EDUCATION

Bachelor of Engineering in Electronics and Computer Science	Expected 2027
Fr. CRCE, Mumbai University	Recent CGPA: 9.15 / 10
Honors in Cybersecurity , Fr. CRCE, Mumbai University	Expected 2027
Higher Secondary Certificate (HSC) , St. Michael's Convent School	2021 - 2023
Secondary School Certificate (SSC) , Fatima School	2009 - 2021

SKILLS

Programming Languages	Java, Python, Embedded C, JavaScript, HTML, CSS, SQL
Cybersecurity	Ethical Hacking, Cryptography
IoT & Hardware	Arduino IDE, Arduino Uno, ESP32, ESP32-CAM
Databases	Firebase, MongoDB, PostgreSQL,
Frameworks & Libraries	Django, Java AWT ,Java Swing
Tools & Technologies	Git/Github, OpenCV, Canva, Excel, Keil uVision
Operating Systems	Linux, Windows

EXPERIENCE

IoT Lead	June 2025 - Present
Project Cell CRCE	<i>Fr. Conceicao Rodrigues College of Engineering, Mumbai</i>

- Leading IoT initiatives and technical projects within the college's council project cell
- Mentoring junior students in IoT development and hardware programming
- Coordinating between different technical teams for project execution

Intern	Jan 2025 - July 2025
Apraava Energy	<i>Rajkot, Gujarat</i>

- Assisted in the AMI (Advanced Metering Infrastructure) project, working on WFM, HES, and MDM platforms for data validation, data entry, and inventory management
- Gained end-to-end exposure to smart meter data flow through lab testing, field operations, and network management
- Learned and applied corporate workflows and operational practices in the energy sector

PROJECTS

FixLit– Smart Lighting Control System [Github](#)

- Desktop app to check password strength, detect breach exposure, and generate secure passwords and password management
- Chrome extension for auto-saving and auto-filling login credentials
- Enhances user security and convenience by securely managing authentication data

GhostESP — Wireless Security Testing Firmware

- Converts ESP32 into a wireless analysis and testing platform for Wi-Fi and BLE scanning
- Performs packet monitoring, signal mapping, and controlled vulnerability testing
- Designed for ethical security research and network hardening

ESP Monitor — WiFi Security Monitor [Github](#)

- Real-time Wi-Fi security tool detecting deauthentication attacks and beacon spam
- Analyzes channel activity with live graphs on a 1.47" LCD and RGB LED indicators
- Uses ESP32-C6, ST7789 LCD (172x320), and WS2812 RGB LED hardware

Alcohol Detection and Accident Prevention System [Github](#)

- Built safety system with automated motor shutdown on alcohol detection
- Integrated Firebase for data logging and automated email alert system
- Demonstrated practical application of IoT in automotive safety

Voice-Controlled Lighting Automation [Github](#)

- Automated project room lighting system with voice command integration
- Developed mobile app interface for manual control backup
- Combined IoT with voice recognition technology

CERTIFICATIONS

Google Cloud Cybersecurity Certificate [View Credential](#)

AWS Academy Graduate - Cloud Architecting [View Badge](#)

Cryptography: A Hands-On Approach [Certificate](#)

Tata Cybersecurity Analyst Job Simulation [Certificate](#)

Deloitte Cyber Job Simulation [Certificate](#)

ACHIEVEMENTS

- Secured #48 rank out of 1700 participants in Hacker's Gambit – OWASP National Level CTF, demonstrating advanced cybersecurity problem-solving and competitive skills.
- Finalist in Breach Bytes 3.0, a CTF competition of DJ Sanghvi College of Engineering.