BANDI REKHA

Hyderabad, India

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# Objective

Energetic and self-driven individual who enjoys taking on complex challenges and uncovering insights through careful analysis and testing. Proactive and inquisitive professional with a mindset geared towards innovation and improvement. Known for quickly adapting to new tools and methodologies, with a strong commitment to continuous improvement and delivering reliable outcomes.

# Education

## CMR Engineering College, Hyderabad July 2021 - June 2025

Bachelor of Technology in Computer Science (CGPA of 8.57) Hyderabad, Telangana

## Pinegrove Junior College, Hyderabad June 2019 - June 2021

Intermediate (Marks- 886/1000) Hyderabad, Telangana

## Greenwood High School, Hyderabad May 2018 - May 2019

CBSE (CGPA of 7.72) Hyderabad, Telangana

# Technical Skills

* **Languages**: C, Java, Python
* **Web Technologies:** HTML, CSS, MySQL
* **Libraries/Framewoks**: Selenium
* **Testing**: Manual Testing, Automation Testing
* **Others**: Data Structures and Algorithms, Data-Bases, Operating Systems
* **Soft Skills:** People Management, Leadership, Team Collaboration, Excellent Communication

# Projects

# Secure Data Transmission In IoMT

* Designed IoMT access control using RC6 for key generation and ECDSA for key encryption.
* Secured data integrity via SHA-256 hashing of encrypted keys, ensuring patient data confidentiality.
* Implemented a multi-layer cryptographic system to enhance the security and availability of IoMT healthcare services.
* Utilized Java and MySQL for web application and development.

# Eye Ball Cursor Movement Using Open CV in AI

* Developed an AI-powered system using Open CV for real-time eyeball tracking to control cursor movement, enhancing accessibility and user experience.
* Used various frameworks and libraries to implement.
* Implemented advanced computer vision techniques in Open CV to accurately detect and track eye movements for intuitive cursor control in assistive technology applications .

# Certifications

* Google Cybersecurity Certificate
* Certificate of AWS Virtual Internship
* Smart Coder certificate by Smart Interviews

# Accomplishments

* Solved 250+ problems in Leetcode
* Solved 100+ problems in Codechef