MULLANGI RAJU

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EDUCATION

Lakireddy Bali Reddy College Of Engineering, Mylavaram   CGPA: 8.23
BTech (Computer Science and Engineering), 2021-2025
Sri Chaitanya Junior College, Eluru   Percentage: 92.5
Intermediate (Maths Physics Chemistry), 2019-2021
ZPHS, Remalle   CGPA: 8.3
10th (ALL SUBJECTS), 2019

WORK EXPERIENCE

Security Research Intern, Malaviya National Institute of Technology Jaipur   MAY-JUN, 2024

- Utilized Python, Deep Learning, and Security Algorithms to optimize user experience in D2D communication.
- Developed an innovative framework for covert backdoor attacks, boosting detection efficiency by 10%.
- Achieved 97% accuracy in identifying covert backdoor attacks in D2D communication.

PROJECTS

IoT Integrated System For Gas Leak Detection, Threat Zone Identification Method Employed Thereof

- Engineered an IoT-based alert system, delivering results within fractions of a second.
- Seamlessly integrated OpenWeather API to enhance functionality.
- Identified threat zones within a 20 km radius of the Leakage Area.
- Achieved 98% accuracy in identifying threat zones and detecting gas leaks using IoT solutions.

Amazon Clone: Scalable E-commerce Platform | React.js, Node.js, Express.js, MongoDB

- Developed a user-centric e-commerce platform with scalable architecture.
- Implemented features, including Login/Signup, Add to Cart, and Checkout, along with 10+ additional functionalities.
- Optimized data retrieval and storage by utilizing MongoDB for efficient database operations.
- Designed and implemented the back-end architecture using Node.js, Express.js, and MongoDB.

Gesture-Driven AI Virtual Mouse (Ongoing Project) | Python, MediaPipe, OpenCV

- Developing a virtual mouse system for seamless human-computer interaction.
- Utilizing OpenCV and MediaPipe for accurate hand gesture detection with a response time under 700 milliseconds.
- Achieved an error rate of less than 2% in video capture from the webcam.

TECHNICAL SKILLS

Languages: C/C++, Java, Python, Javascript, HTML, CSS
Technologies : Mern Stack, Java Full Stack
Database: MySQL, MongoDB
Concepts And Learnings: Data Structures and algorithms, DBMS

CERTIFICATIONS

• NoSQL Database Basics
• TechA Responsive Web Designing Foundation
• Joy of Computing Using Python-NPTEL

• JavaScript-Infosys Springboard
• Introduction to Internet of Things-NPTEL
• Wipro TalentNext Java Full Stack (Global)

ACTIVITIES

- Won the LBRCE 24-hour hackathon with a data science project.   *17/12/2022*
- Participated in VRSE Innovation Day, exploring emerging technologies.   *16/10/2023*
- Participated in the JNTUK Innovation Fair, exploring innovation strategies.   *27/03/2024*
- Won the SAP National Hackfest by developing an IoT project.   *06/04/2024*

HONORS AND AWARDS

24-Hour Hackathon: Winners in a competition conducted by Braino Vision.
Ideathon 6.0: Winners in the Ideathon Fest conducted by LBRCE.
Patent Grant: Successfully published a patent with application number 202441030458.
National-Level Hackathon: Winners in a competition conducted by SAP at Chalapathy Institute of Technology, Guntur.