Shanmukha Vutikuri

Vutikurishanmukh17@gmail.com | 8978467769 | Lalitha Nagar 1st Street, Opposite to the forest Kalyana Mandapam, D.No. 23-20-32/23, Rajahmundry, Andhra Pradesh

LinkedIn | Portfolio

Education

Aditya Engineering College   Surampalem, Kakinada, Andhra Pradesh
Electronics and Communication Engineering Bachelors of Technology   AUG 2021 - MAY 2025
CGPA: 6.78

Experience

BSNL-Telephone Exchange | Intern   Bhimavaram | JUN 2023 - JULY 2023
1. Gained hands-on experience in telecommunications and networking.
2. Assisted in maintaining and troubleshooting telephone exchange systems.
3. collaborated with senior engineers to optimize network performance.
4. I learned about the operational work flows of a large-scale telecommunications provider.

BRAIN O VISION | Intern   Remote | JUN 2024 - AUG 2024
1. Deployed and managed cloud infrastructure using AWS services, ensuring optimal resource allocation and cost efficiency.
2. I acquired practical experience with services such as EC2, S3, RDS, and Lambda. Aided in the
3. optimization of cloud resources to enhance cost efficiency.
4. I collaborated with the team to develop best practices for cloud security

Skills

Programming Languages: C, C++, Python
Tools / Platforms: Git, VS code, AWS
Databases: SQL

Projects / Open-Source

AUTOMATED ATTENDANCE REPORTER   HTML, CSS, JAVASCRIPT, AWS, MYSQL
- Designed a cloud-based attendance system on AWS with face recognition for automated tracking. built serverless AWS Lambda functions to process attendance data in real time.
- Managed records with Amazon S3 for images and DynamoDB/RDS for structured data. leveraged AWS recognition for accurate identification and attendance marking.
- Automated attendance reports and notifications with AWS SES/SNS for real-time updates.
- Created a user-friendly web interface using AWS Amplify and connected APIs via API Gateway.
- Automated attendance reports and notifications using AWS SES/SNS, providing real-time updates to administrators and staff.

VISITOR COUNTER   Python, Audino uno, IOT sensors D
- Developed an IoT-based visitor tracking system using infrared/ultrasonic sensors and an ESP32 microcontroller.
- programmed the microcontroller to count entries/exits and transmit data to the cloud via Wi-Fi/MQTT for remote monitoring.
- Integrated an LCD/OLED for local display and created a web interface for remote access. We achieved 95% counting accuracy through sensor calibration, algorithm refinement.

Certifications

- AWS Certi ed Cloud Practitioner - Amazon Web Services.
- Oracle Certi ed Foundations Associate - Oracle.