SHEIK NAVEEDH N

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GitHub | LinkedIn

EDUCATION

Chennai Institute of Technology   Chennai, Tamil Nadu | 2022 - present
B.Tech - Artificial Intelligence and Data Science
Cumulative Grade Point Average (CGPA): 8.76 / 10

PROFESSIONAL EXPERIENCE

Intern | Zoho Corporation   Chennai, Tamil Nadu | 11/2023 - 12/2023
- Deepened understanding of practical machine-learning applications and natural language processing.
- Contributed to a resume parsing project by learning and implementing performance optimizations.
- Optimized the resume parsing model's performance, which helped in increasing data extraction accuracy.
- Conducted in-depth research on advanced NLP techniques to enhance semantic understanding in text processing.

AI-ML Virtual Internship | Google   Remote | 07/2024 - 09/2024
- Completed a 10-week internship on AI and ML, applying advanced machine learning techniques to real-world problems.
- Gained hands-on experience in using TensorFlow and scikit-learn and studied the learning of machine learning models.
- Explored ethical AI practices and responsible AI deployment, ensuring fairness and bias mitigation in ML models.

Zero Trust Cloud Security Virtual Internship | Zscaler   Remote | 10/2024 - 12/2024
- Successfully completed a 10-week internship focused on Zero Trust security concepts and cloud-based solutions.
- Gained hands-on experience with Zscaler's cloud security platform, including secure web gateway and cloud firewall.
- Learned to implement and manage zero trust network access, emphasizing threat protection and data loss prevention.

PROJECTS

Gesture-Controlled Video Player
- Developed a hands-free media player using real-time hand gesture recognition for seamless video control.
- Built with a **React** frontend, a **Flask** backend, and Python-based gesture detection leveraging **MediaPipe.**
- Implemented an **SVC model** trained on processed gesture data to classify actions such as play, pause, and rewind.
- Integrated real-time gesture tracking, allowing users to control media playback efficiently without physical contact.

Real-Time Social Event Mixer
- Built a real-time event mixer app to help attendees connect at large social events based on shared interests.
- Implemented interest-based matching to suggest potential connections in the vicinity dynamically.
- Integrated QR-based profile exchanges, allowing instant connection by scanning other users' QR codes.
- Utilized **React**, **Express + Node.js**, **PostgreSQL**, **WebSockets**, and **QR Code API** to implement the app.

Video Chat Application
- Built a real-time video chat application leveraging **WebRTC** for peer-to-peer communication.
- Integrated **Socket.io** for seamless signaling between clients, enabling connection establishment and data transfer.
- Implemented **React** for the frontend and **Node.js with Express** for the backend to manage user connections.
- Developed features such as room-based calls, dynamic user connections, and real-time video streaming.

SKILLS

- Python
- Java
- C
- HTML/CSS
- JavaScript
- ReactJS
- NodeJS
- ExpressJS
- Bootstrap
- MySQL
- GitHub/Git
- Machine Learning
- Flask
- PyTorch
- OpenCV

CERTIFICATIONS

- Completed the **Cloud Computing** course (NPTEL, 60%), acquiring knowledge in cloud architecture.
- Completed the **Introduction to Internet of Things** course (NPTEL, 77%), gaining foundational knowledge in IoT.
- Earned certification in **Python and Machine Learning for Beginners** (Udemy).

COMPETITIVE PROGRAMMING

Leetcode - 800+ Problems, Highest Rating: 1862   **Codechef** - Highest Rating: 1485, 2 Star Rating

ACHIEVEMENTS

Hack-Fusion - Intracollege Hackathon 2024 Finalist   **Youth to Entrepreneurship** Ideathon 2024 (Top 50)
Zarothon (AVV, Chennai) (Top 30)

VOLUNTEERING

- Hosted a non-technical event during the departmental Symposium titled "TALOS" at Chennai Institute of Technology.
- Served as a compère for a Career Welfare Program, facilitating the session where a guest speaker shared valuable insights.