

# ARYAN SHARMA

## Senior Undergraduate - VIT-AP

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## EDUCATION

### B.Tech in Computer Science and Engineering

#### Vellore Institute of Technology-Andhra Pradesh (VIT-AP)

September 2020 - August 2024 Vijayawada(AP), India

- CGPA: 9.28

### Higher Secondary Examination, CBSE

#### Deepanshu Public School, Delhi

August 2018 - April 2020 Delhi, India

- Percentage: 92.5%

## PROJECTS

### Face Recognition App using API

August 2021

- Built a React Application for image-based face detection using uploaded link addresses.
- Implemented user registration and database management using PostgreSQL for enhanced functionality.
- Technologies used:** PostgreSQL, HTML, React, JS, CSS.

### V-Chat Platform

December 2021

- Developed a secure group chat platform with Google account authentication and encrypted message storage in Firebase.
- Implemented a user-friendly messaging feature for seamless text communication within the platform.
- Technologies used:** Firebase, HTML, React, JS, CSS.

### BMI and Sugar Tracker App

August 2021

Contributed in TechEden Hackathon

- Built an Android Application for BMI calculation and sugar level tracking with graph plotting capabilities.
- Developed a user-friendly feature for calculating health index and monitoring health status based on user input of height and weight.
- Technologies used:** Android Studio, Java, XML, Shared Preference.

### Robotic Hand

November 2022

Mentor: Prof. Vikash Kumar Singh

- Developed a hand replica system using custom flex sensors to capture and mimic the user's hand movements.
- Developed a sophisticated wired system for seamless real-time replication of hand movements between both hands.
- Technologies used:** Arduino, Bluetooth, flex sensors, Servo motors.

### Smart Trash Collector

September 2022

Mentor: Dr. Sumathi D

- Created a Smart Trash Collector system with an ultrasonic sensor on the dustbin lid, transmitting real-time data to a mobile application.
- Developed a mobile app with virtual LED lights, visually indicating the trash level inside the dustbin for efficient waste management.
- Technologies used:** Arduino, Blynk, Ultrasonic Sensors.

## CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- Oracle Certified: Oracle Cloud Infrastructure Foundations 2023 Associate
- ZTM Academy Certified: The Complete Web Developer

## TECHNICAL SKILLS

### Programming Languages and Frameworks

C, C++, Java, Python, HTML, CSS, React, Android, Flutter, Web Development, R, MATLAB, Verilog.

### Others

Data Structures and Algorithms, Object Oriented Programming, Web Technologies: JS.

## EXPERIENCE AND PORS

### Web Development Intern

Celebrare

- Added a push notification feature to send event updates to guests as reminders.
- Developed and integrated a policy page into the main website, enhancing user experience.
- Technologies used:** Firebase, HTML, JS, CSS.

### President at NULL Chapter

Club of Cyber Security and Information, VIT-AP

- Successfully spearheaded club operations, overseeing recruitment, and executing various club events with strong leadership and organizational skills.
- Led the club to win the prestigious **Best Chapter award**, recognizing exceptional achievements and contributions.

### Former Technical Lead, NULL Chapter

- Maintained and updated the club's official website, ensuring its relevance and accuracy.
- Organized a captivating **CTF** competition, crafting and curating more than 10 thought-provoking questions on Web Development and Cryptography.

## ACHIEVEMENTS

- NPTEL Online Certification: **The Joy of Computing using Python**. Secured a position within the top 200 out of 10,672 students.
- Selected in **Amazon ML Summer School** to cover intensive course on key ML topics.
- Codechef Rating: Highest **Codechef** Rating: **1752**.
- CodeMate Coding Competition: Secured **5th** position in **CodeMate Coding competition** organized by **Codechef Chapter** of VIT-AP.
- Selected as Mentor for **TechnologicalBusiness Hackathon 2.0** hosted by **AIESEC** in Amaravati.
- Bronze medal** recipient in the **Vedic Mathematics** Competition.