Abhiroop Avvari

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EDUCATION

•**National Institute of Technology, Warangal** — *2024*
BTech and Computer Science and Engineering — CGPA: 7.49

•**Sri Chaitanya Jr Kalasala, Hyderabad** — *2020*
Board of Secondary Education, Telangana — Percentage: 96

•**Viswabharati EM High School, Gudivada** — *2018*
Board of Primary Education, Andhra Pradesh — CGPA : 10

EXPERIENCE

•**WSDC** — *2022 - Current*
Develeoper — Warangal
  – Frontend Developer of CRIF Module
  – Main Developer of Institue Main Website

PERSONAL PROJECTS

• **NGO Database** — *My SQL*
A DataBase for storing data about hospitals and organizations for needy people

  – Member and manager of a team of 3
  – Scored better ranking than 85% of class over presentation
  – Appreciated as one of the best presentations

• **Open Port and Protocol Logger** — *C,Sockets*
A network command-line tool to identify open ports on target systems for network security assessment

  – Performs on par with nmap tool
  – Uses different sockets on multiple threads for TCP and UDP
  – Logs the open ports and protocols found into an output file

• **Virus and Anti Virus** — *C,libpcap*
Man-in-the-middle attack detection and mitigation program with ARP table corruption removal

  – Uses libpcap to sniff out the network traffic in the respective subnet
  – Reports if there are multiple mac addresses assigned to single IP address
  – Logs and repairs the corrupted arp tables by sending required arp reply packets for respective mac addresses

• **BirthDay Remainder** — *MERN*
Community birthday reminder web application sends email notifications for upcoming member birthdays.

  – Targeted for friends community
  – Reminds them prior to 2 days to make planning for his birthday.
  – Future Scope : Create separate profile for each member and create custom communities

• **Video Conferences** — *Web RTC, JS, Firebase*
VIDFIRE - A video conference web application for video conferences

  – Realtime video stream for users joined in the conference room
  – Uses Firebase as a signaling server for Web RTC.
  – Future Scope : Build profiles, Build robust system for more users in conference room

• **An Api** — *Nodejs, json, Firebase*
FREEMIUM Api - A onestop API for all free api's

  – Uses Firebase for storing user profiles and creating API Keys
  – Requests other free api's using admin API key
  – Future Scope : Add consumer profiles to other free api's i.e. uses , users API KEY to other API to call back.

- **Game Development** *lua,C*

Completed the course of GD50 by Harvard

  – Recreated Basic games Pong, Flappy bird and tetris
  – Used lua and C# for development in unity

TECHNICAL SKILLS AND INTERESTS

Languages: C++, C, Java - OOPS, Python, HTML, CSS, JS, Bash Scripting.
Frameworks: React, Express JS, Vue JS.
Cloud/Databases: My SQL, Mongo DB, Firebase.
Soft Skills: Team Collaboration, Communication Skills, Time Management, Adapatability.
Coursework:
- Data Structures and Algorithms
- Object Oriented Programming
- DataBase Management Systems
- Computer Networking
- Data Science
- Operating Systems

Areas of Interest: Astronomy and Space, Innovation and Technology, Racing, Anime.

POSITIONS OF RESPONSIBILITY

•**Developer,** WSDC *2022 - Current*
Main Contributor in development of Frontend work of CRIF Module and Institute main website

•**Executive,** CSEA *2022 - Current*
Computer Science and Engineering Association

ACHIEVEMENTS

•**Level 7 Expert in Coding Ninjas**

200+ problems solved *14845 exp gained*

•**704 Rank in GFG**

338 overall Coding Score
100+ problems solved
Highest POTD Streak : 42