Atharva Kulkarni

+91 77200 75540

✉ kulatharva1@gmail.com in linkedin.com/in/kulkarni-atharva-g/ ⊙ github.com/katharvaa

Education

Vellore Institute of Technology	**2021-2025**
Electronics and Computer Engineering	*Chennai, Tamil Nadu*
CGPA: 9.15	

ASM CSIT	**2021**
HSC board: 88.5%	*Pune, Maharashtra*

Technical Skills

Languages: C/C++, Python, Java, SQL, R, Matlab
Technologies/Frameworks: Git, GitHub, AWS Management Console
Electronics Technologies/Tools/Languages: Verilog, Cadence Virtuoso, Assembly Programming (ASM), Netsim, Cisco Packet Tracer

Certifications

- AWS Cloud Practitioner Certificate
- AWS Solution Architect Certificate

Experience

Smart Healthcare Research Internship	**June 2023 – August 2023**
Research Intern	*Vellore Institute of Technology, Chennai*

- Assisted in the development and implementation of a Convolutional Neural Network (CNN) model for ECG arrhythmia classification at CHAIR, Vellore Institute of Technology, Chennai.
- Managed and preprocessed a significant ECG dataset, ensuring data quality and model effectiveness.

Tools used: Matlab

Projects

Carobot: Elderly Care-giving Robot | *Python, SolidWorks*	**September 2023 - ongoing**

- Creating a robot to help the elderly and physically challenged individuals by dispensing medicines and water at scheduled times.
- **Features:** providing medicines on time, health monitoring.

Analytics of Covid-19 vaccines | *RMarkdown, HTML, CSS*	**June 2023**

- A statistical study of COVID-19 vaccinations used by the top 10 afflicted countries, and key insights on which vaccine is the best option for each nation based on a variety of variables.
- A comparison between different parameters (categorical and numerical such as cost, efficiency, geographical availability etc.) by using ggplot2, etc. packages in R.
- An overview provided on the vaccines and conclusions derived through statistical analysis.
- Live Demo

Portfolio Website | *HTML5, CSS*	**June 2023**

- Designed a simple portfolio website as a platform to display achievements and projects.
- Live Demo

Platforms

- HackerRank

Extracurricular/Achievements

Netsim Hackathon	**30th September 2023**
1st position Certificate	*Vellore Institute of Technology, Chennai*

- Secured 1st position in Netsim Hackathon at VIT Chennai.

Zero Bugs Club	**February 2023 – Present**
Core Member	*Vellore Institute of Technology, Chennai*

- Participated in a group project for building a prototype of an **e-commerce website targeted towards selling merchandise.** (ongoing)

- Participated in club activities and technical club fests and events.