

Madhuvanthi S

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Education

Vellore Institute of Technology <i>Bachelor of Technology in Information Technology – 8.71 CGPA (as of Semester 6)</i>	Vellore, Tamil Nadu <i>Sep. 2022 – present</i>
RV PU College <i>Higher Secondary – 97.8%</i>	Bengaluru, Karnataka <i>Jul. 2020 – May 2022</i>

Professional Experience

CyberSafeHaven Consulting <i>Software Engineering Intern</i>	Bengaluru, Karnataka <i>May 2024 – Jul. 2024</i>
<ul style="list-style-type: none">Developed <i>Arishta</i>, a cybersecurity-focused Android mobile application enabling users to scan images for embedded links and assess their safety in real-timeEngineered using Flutter (Dart) for cross-platform development and Firebase for scalable backend integrationIntegrated advanced Android libraries and malware detection APIs, achieving 96% accuracy in identifying malicious linksCollaborated with 10+ cybersecurity professionals to enhance threat detection capabilities	

Projects and Hackathons

Institution's Innovation Council (IIC) App Hackathon | *Flutter, Dart, Firebase*

- Secured the 3rd place in the App Development Contest conducted by IIC
- Used Flutter and Dart to design a **smart event scheduling system**, to be used by university level clubs and chapters. Used Google Firebase to integrate database about the available venues and dates

Avocado Price Predictor | *Python*

- Built a data-driven price AI prediction model for avocados using a custom implementation of the Random Forest algorithm in Python. Leveraged **NumPy and Pandas** for efficient data manipulation, preprocessing, and feature engineering in Machine Learning (ML)
- Trained and validated the model on real-world datasets sourced from **Kaggle**, achieving meaningful insights into agricultural pricing trends

Technical Skills

Languages: Python, C++, Java, Flutter, Dart, HTML/CSS, JavaScript, SQL, pandas, PostgreSQL
Developer Tools: Git, Visual Studio Code, Android Studio Jellyfish, IntelliJ Idea

Certifications

- Introduction to Generative AI and its Applications – Google Skills Boost
- DELFI B2 – Diplôme d'Etudes en Langue Française – French Language Proficiency Test

Extracurricular Activities

VIT Music Club <i>Chairperson</i>	Vellore, Tamil Nadu
<ul style="list-style-type: none">Managed 25+ music events, showcased performances to crowds exceeding 7000, and placed in top 3 at 5 external college music competitions.Led a team of 12 board members in event coordination, social media management, and financial oversight.	