






MARPU SAI MAHESH

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EDUCATION

Amrita Vishwa Vidyapeetham
B-Tech | Computer Science and Engineering with Specialization in Cyber Security

Oct 2021 – May 2025
Chennai, Tamil Nadu, India | CGPA:9.01

SKILLS


Programming Languages

- Python, C++


Web and Project Technologies

- HTML, Android, MYSQL, AWS Cloud


INTERSHIPS

Prodigy: Software Developer Intern  May 2024 – Jun 2024 | Remote

- Created four softwares: Temperature Conversion Website, Number Guessing Game, Contact Management System, and Web Scrapping tool.
- Received a letter of recommendation for outstanding performance.


Corizo: Ethical Hacking Intern  Jun 2023 – Aug 2023 | Remote

- Demonstrated proficiency with over three different hacking tools for network security.
- Collaborated on diagnosing and neutralizing threats, completed 2 projects.


Oasis Infobyte: Web development Intern  Jun 2023 – Jul 2023 | Remote

- Created three web pages, including an exceptional portfolio and a comprehensive web-based temperature calculator.
- Designed a cybersecurity-centric advertisement page.


PROJECTS

FedEx Scam Detection Android application for Phone Calls  Jun 2024 – present

- Established text and audio analysis models, achieving 81% accuracy in sentence-level classification.
- Generated decision-based two text models using word-level and sentence-level classification techniques.

MirrorVerse: A VR-based SmartMirror Software  Dec 2023 – Mar 2024


- Implemented real-time video analysis software with two types of mirrors: a smart mirror and a cartoon mirror.
- Integrated DeepFace's emotion detection library and a Spotify music recommendation system based on facial emotions.

Vericall: A DeepFake Call Detection Software Prototype  Dec 2023 – Mar 2024


- Trained a deepfake call detection model using Python, ML, and Flask API, achieving 97.65% accuracy.
- Assessed four ML algorithms and selected Random Forest as the optimal choice.

Static-Fortify: A Static Web Application Testing Tool Jun 2023 – Jan 2024

- Revamped security protocols, achieving 97% accuracy in security assessments.
- Enhanced detection through 5-level evaluation: XSS detection, contextual analysis, behavioral analysis, NLP, and malicious function call detection.


Paywave: A Secure Payment Android Application  Jul 2023 – Nov 2023




- Pioneered seamless security integration with 5-level verification, including URL malware checks, TLD validation, VirusTotal validation, certificate validation, and length validation.
- Leveraged Python, Flask, and logistic regression to achieve 97% accuracy.


Credspot: A Cyber Attacks protection Software  Jan 2023 – Apr 2023



- Developed software to protect against five cyber attacks: spam mail, fake news, spam URLs, password strength, and clickbait detection.
- Achieved 96% accuracy using random forest. Utilized Python, Sklearn, React.js, and Flask frameworks.

CERTIFICATIONS


CLF-Co2 AWS Cloud Practitioner  | Azure AI-102: AI Engineer Associate  |

NPTEL course on Foundation of Cloud IoT Edge ML  | Journey to cloud by IBM  | Azure AI-900: Fundamentals of AI  |

Introduction to Hadoop at Great learning  | Ethical Hacking Essentials from EC Council |

Introduction to Cybersecurity by CISCO  | TCS iON Career Edge: 

PUBLICATIONS

Generalized Multilingual AI-Powered System for Detecting Fake News in India: A Comparative Analysis of Machine Learning Algorithms  17 Apr 2024

- Achieved 99% accuracy in detecting fake news through cross-dataset experimentation.
- Implemented web scraping for real-time data acquisition, tested with 5 ML algorithms using HTML, CSS, JS.
- Validated the authenticity of multilingual news (58 languages) via URL.