Divyashree G P

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Summary

Passionate Computer Science student with a solid foundation in software engineering, secure coding, and AI-driven development. Skilled in building scalable real-world applications, with a growth mindset and a reputation for being conscientious, perseverant, and a strong team player.

Education

Ramaiah Institute of Technology— B.E. in CSE (Cyber Security) — Bengaluru
CGPA: 9.27 — 2022 – 2026

Masters PU College— PUC in PCMB — Hassan
Percentage: 97.8% — 2020- 2022

Projects

Uber Data Analysis using Hadoop: Aimed to identify inefficiencies in ride allocation and improve service performance using big data. Processed large-scale Uber ride datasets using HDFS and MapReduce to uncover patterns in demand, driver performance, and regional behavior. Delivered key insights that helped optimize ride distribution strategies and enhance operational efficiency.

Fake Review Detection System: Designed to combat the rise of deceptive reviews on e-commerce platforms. Built an ensemble ML model combining SVM, Random Forest, and Logistic Regression to detect fake reviews, trained on the Amazon dataset. Achieved 90% accuracy, and deployed the model on Microsoft Azure for real-time evaluation and user access.

Secure QR Code Scanner: Developed in response to the increasing threat of phishing via QR codes. Built a GUI-based and web application that scans QR codes and flags malicious URLs using a Linear SVM model, trained on a phishing dataset with 87 features. Achieved 97% accuracy and provided real-time alerts to users before redirecting to harmful websites.

English-to-Python Code Converter: Addressed the challenge of making programming more accessible for beginners by enabling code generation from plain English. Developed a web-based system using Python, spaCy, Flask, and Syntax-Directed Translation (SDT) to convert algorithmic instructions in natural language into executable Python code. The interactive interface simplified coding for non-programmers, improving learning and productivity.

Skills

Programming Languages : C , C++ , Java , Python , Unix Shell Programming , Scala , R Programming , MATLAB
Operating Systems : Windows , Linux (Ubuntu, Kali) proficient in command-line operations and security tools
Web Technologies: HTML , CSS , Bootstrap , JavaScript , Flask , Angular, Spring Boot (Basics), React Native ,Node.js
Tools & Platforms: Git, Power BI, Kali Linux, Hydra, Figma, Wireshark, Nmap, Nessus, Snort, Burp Suite, Metasploit
Cybersecurity: Cloud Security, Cryptography, Attack & Defense Strategies, Secure Coding, Vulnerability Assessment
Networking: OSI Model , TCP/IP , Subnetting , DNS , Routing , Packet Analysis using Wireshark , Network Scanning
Data Technologies: SQL, Apache Hadoop, Apache Spark, Hive, HiveQL ,Pig, MapReduce ,Big Data Analytics
Cloud & AI: Google Cloud, AWS, Artificial Intelligence & Machine Learning

Certifications

- Generative AI for Software Development, IBM Data Science — **Coursera, 2024**
- Mastering Data Structures and algorithms ,Database Management System — **Udemy, 2024**
- Java Programming , Software Engineering — **NPTEL, 2024**
- Google Cloud Security — **Google Cloud Skills Boost, 2025**
- AWS Academy Cloud Foundations — **AWS Academy, 2025**
- Artificial Intelligence for Cybersecurity — **LinkedIn Learning,2024**
- Finding the Leader in You — **Competitiveness Mindset Institute, USA, 2024**