BINDHU SHREE G V

B.Engg - Computer Science and Engineering Graduate

SUMMARY

- A highly motivated and detail-oriented Computer Science and Engineering graduate from Visvesvaraya Technological University with expertise in Artificial Intelligence, Machine Learning, Data Structures, and Cloud Computing.
- Demonstrated experience by managing innovative initiatives that involved applying new technologies to solve real-world problems, such as designing robust backends and developing user-centered applications.
- Proficient in programming languages: Python, Java, JavaScript, and MySQL
- Experienced with tools and frameworks: Scikit-learn, Flask, Android Studio and Firebase
- Skilled in: Designing user-friendly interfaces, implementing backend logic and managing databases efficiently.
- Certified in Artificial Intelligence and Data Structures, displaying a strong technical basis, supported with a published IEEE paper on malware detection, demonstrating research and innovation capabilities.
- Equipped with: Strong problem-solving skills, effective communication and leadership skills, demonstrated track record of collaboration in various teams.
- Eager to contribute to cutting-edge projects in a dynamic IT environment, using technical expertise and soft abilities to produce relevant and successful solutions.

SKILLS

Domain	Machine Learning and Cybersecurity Android App Development Web Application Development and Database Management
Programming Language	Python, Java, JavaScript, HTML, CSS, SQL
Tools/DB/Packages/Frameworks/Components	Scikit-learn, Django, HTML, CSS, JavaScript, MySQL, Pandas, NumPy, Matplotlib, Seaborn, VirusTotal API, Android Studio, Firebase, XML, MySQL, Apache Tomcat, JDBC

CERTIFICATES

Web Development and Designing Intern	**Organisation:- Oasis Infobyte, Jan-2024** - Demonstrated proficiency in both web development and design aspects with **JavaScript**, with impactful demos and updated on GitHub.
IEEE-ML Based Cross Platform Malware Detection	**Organisation:- IEEE, April-2024** - Presented and published at the 2nd International Conference on Knowledge Engineering and Communication Systems (in association with IEEE Bangalore) DOI : 10.1109/ICKECS61492.2024.10616557
AWS Cloud Partitioner Essentials	**Organisation:- AWS March-2025** - Demonstrated foundational knowledge of AWS Cloud concepts, services, security, and best practices. - Proficient in AWS core services, billing, pricing models, and cloud architecture principles.

PROJECT DETAILS

Project Name	ML Based Cross-Platform Malware Detection, Sept-2024
Role and Responsibility	As the Project Lead and Developer, I spearheaded the development of a cross-platform malware detection application using Python, ensuring compatibility with iOS, Windows, and other operating systems. My responsibilities included implementing machine learning algorithms, conducting threat analysis to identify potential security vulnerabilities, and optimizing detection accuracy. Additionally, I guided the team in leveraging diverse perspectives to enhance the system's robustness.
Description	This project aimed to detect malware across different operating systems using machine learning techniques. By utilizing the Random Forest algorithm, the system analyzed OS specifications and device characteristics to predict potential malware threats. The research was recognized and published at the 2nd International Conference on Knowledge Engineering and Communication Systems in association with IEEE Bangalore, highlighting its impact on cybersecurity advancements.

Project Name	Online Flat Booking System, Oct-2023
Role and Responsibility	As a Developer, I created a dynamic Students Notes Gallery App using Android Studio and Java, integrating Firebase for seamless data storage and real-time updates. My role involved designing an intuitive user interface, implementing core functionalities for uploading and managing notes, and ensuring efficient data handling for a smooth user experience.
Description	The app provided a centralized platform for students to upload, view, and organize academic notes effortlessly. With Firebase integration, real-time synchronization enabled instant content availability, enhancing collaboration and accessibility for students.

Project Name	Students Notes Gallery App, Nov-2022
Role and Responsibility	As a Developer, I contributed to building a mediator platform for real estate transactions, facilitating interactions between sellers and buyers. My key responsibilities included designing and managing the MySQL backend, ensuring data integrity, and enhancing the system's functionality by implementing user-friendly features. Additionally, I supported the team in troubleshooting technical challenges
Description	The project streamlined real estate dealings by offering a database-driven solution for listing and booking apartments. By structuring a well-organized backend, the system provided a secure and efficient platform for users to browse, inquire, and finalize property deals.

EDUCATION QUALIFICATION

Bachelor of Engineering	Computer Science Engineering, 7.68/10 GPA Visvesvaraya Technological University, 2024

HOBBIES

Dancing, Astrophile, Traveling, Volunteering, Food Critiquing, Yoga, Creative Art Work.

LANGUAGES

English, Kannada, Hindi, Telugu, Tamil.

CONNECT

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