Vaishakh Edathara Variar

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Skills

- Javascript, Python, Java, R, C, C++, MySQL, MongoDB, HTML, CSS, PHP, ReactJS, Node.js, Git, IntelliJ, Visual Studio Code, Firebase, Bootstrap.

Education

MASTER OF SCIENCE IN COMPUTING SCIENCE | UNIVERSITY COLLEGE CORK, IRELAND | 2020-2021

- Key modules: Complex Systems Design, Applied Computer Simulation and Analysis, Data Mining, Database Technology, Information Storage and Retrieval, Optimisation, Topics in Artificial Intelligence.

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE | N. M. A. M. INSTITUTE OF TECHNOLOGY, INDIA | 2015-2019

- Key modules: Data Structures and Algorithms, Object-Oriented Programming (OOP), RDBMS, Web Development, Big Data, Machine Learning, Software Engineering.

Projects

- "Analysis of KNN": Implemented the k-Nearest Neighbour algorithm on a wine dataset with 13 features to predict the quality of wine with a reasonable degree of accuracy and compared the model's performance for varying values of k.
- "Portfolio Web Application": Developed a dynamic web application using React.js and deployed it on Firebase. This web application serves as my portfolio and showcases my skills. The application was styled using CSS and features an interactive, user-friendly design, with responsive layouts for optimal viewing on various devices. Linked above.
- "Applications of Lightweight Cryptography": Implemented efficient encryption algorithms to secure sensor data and provide a safe and secure pathway for data to be shared between the client and the server.

Work Experience

SUPERVISOR | SPECSAVERS, CORK | MARCH 25, 2023 -

- Led and trained new colleagues and ensured smooth collaboration between the many departments at Specsavers.

OPTICAL ASSISTANT | SPECSAVERS, CORK | SEPTEMBER 13, 2021 – MARCH 25, 2023

- Client-facing role: Underwent training from registered optometrists on the optical industry's technical know-how to assist the clients better. Interacted with clients to understand their requirements, handle their concerns and support them in sorting out any problem they faced.

ANDROID APP DEVELOPMENT | HP ENTERPRISES DELIVERY CENTRE, MANGALORE | JULY 8, 2018 – AUGUST 9, 2018 | INTERNSHIP

- Worked on a cloud-based Android application for a medical pharmacy that enabled clients to contact the pharmacist and book appointments.

Management and Leadership

- Student Coordinator | Incridea'19 (Techno-cultural fest)
- President | Grey Matter – College Quiz Club | 2017-2018