Abishani Muthalagan

BSc (Hons) in Computer Science

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in abishanimuthalagan ⌗ https://github.com/Abishani 🏀 https://dribbble.com/Abishani

Profile

A passionate Computer Science graduate and current Assistant Lecturer at IIT, with one year of experience as a Trainee Software Engineer. Skilled in frontend development, web design and development, mobile application development, and NLP, I excel in dynamic environments and am eager to contribute to innovative projects while continuously honing my skills.

Work Experience

Informatics Institute of Technology   **March 2024 - Present**

Assistant Lecturer - Full Time

- Conducting tutorials in Web Design, Java Software Development Principles, SQL-based Database Systems, Object-Oriented Programming in Java, and Computer System Fundamentals.
- Supervising final year projects for students in Software Engineering, Computer Science, Artificial Intelligence and Data Science, guiding them through project development and ensuring academic excellence.
- Collaborating on the creation of exam questions and evaluating coursework through vivas to maintain high academic standards.

Omobio (Pvt) Ltd - Srilanka   **July 2021 - July 2022**

Trainee Software Engineer - Internship

- Integrated third-party services, including Huawei push notifications and Facebook for user profile management, while working with RESTful APIs to connect the application to backend services.
- Utilized Riverpod state management to enhance performance and scalability.
- Applied Agile methodologies and DDD architecture to maintain clean, efficient, and maintainable code.
- Conducted thorough testing across multiple devices to ensure consistent performance and adherence to quality standards.
- Actively participated in User Acceptance Testing (UAT) to meet app quality and performance requirements for both Android and iOS platforms.
- Demonstrated strong problem-solving skills by addressing and resolving issues, ensuring smooth app performance.

Education

Informatics Institute of Technology (Affiliated with University of Westminster)   **Jan 2020 - June 2023**
BSc (Hons) in Computer Science with Industrial Experience

Hindu Ladies College   **2006 - 2019**
GCE Advanced Level - 2019
GCE Ordinary Level - 2016

Skills

- **Programming Languages -** Dart, Python, Java, JavaScript, C#, SQL
- **Frontend, Backend Development & Frameworks -** HTML, CSS, React.js, JavaFX, ASP.NET, Rest API, Streamlit
- **Mobile Development -** Flutter, React Native, Android
- **Tools & IDEs -** Intelli J, VS Code, Visual Studio,
- **AI -** NLP
- **UI/UX Design -** Figma
- **Version Control -** Git

Projects

- **Airtel Selfcare Application - Omobio rewamp project**

Airtel Self-Care application provides a user-friendly platform for managing mobile services, recharge, view data usage, and receive service notifications
Technologies used -Flutter (frontend development), HMS Core (notifications), PHP (backend integration)

- **Abstractive Movie Review Summarization using Deep learning | Final Year Project - 2023**

Generate an abstractive summary based on the movie aspects such as the plot, acting of the cast and crew, and other relevant information.
Technologies used - NLP, Streamlit, Python, Transformer model, IMDb API

- **Beautodo | Software Development Group Project - 2020**

Mobile app which will Detect the skin tone of user and provide the suitable cosmetic products according to their skin tone.
Technologies used - Flutter, Image Processing, Python, OpenCV library and Firebase.

- **Wonder World Animation (Website) - 2019**

English animated kids movies and e-commerce website with movies by genres, fun facts of movies, Fun quiz related to movies and availability to buy storybooks.
Technologies used - HTML, CSS and JavaScript.

- **Todo Application using React JS and .NET - 2024**

Todo application with CRUD (Create, Read, Update, Delete) operations.
Technologies used - React..js with Typescript, .NET, C#

- **Filmysnaps - 2024**

A Movie application which will display the overview of movies
Technologies used - Flutter, Dart, TMDB API

- **Todo Application using MERN - 2024**

Todo application is developed using the MERN stack.
Technologies used - MongoDB, Express.js, React.js with Typescript, Node.js

- **Weather App- 2024**

Weather app which will display the current weather details of the given places.
Technologies used - React JS, OpenWeather API

Clubs

- Institute of Electrical and Electronics Engineers (IEEE) (2020 - 2023)

- Rotaract Club of IIT (RACIIT) (2020 - 2023)
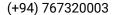
- IT Union of HLC (2018 - 2019)

References

Mr. Prathieshna Vekneswaran
Technical Lead - Sysco Labs (Pvt) Ltd

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