# Kanchana Kariyawasam

## SOFTWARE ENGINEER

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## EDUCATION

**Bachelor of Science (Hons) in Information Technology  | 2020 - 2024**
*University of Moratuwa, Sri Lanka*
- CGPA - 3.73 (**First Class**)
- L1S1 : 3.94 - Dean's List  |  L1S2 : 3.87 - Dean's List  |  L2S1 : 4.07 - Dean's List  |  L2S2 : 3.83 - Dean's List
- **Electives** - Computational Mathematics, Machine Learning and Pattern Recognition, Data Mining and Data Warehousing, Advance Database Management System, Digital Image Processing, Cluster Computing, Human Computer Interaction, Operational Research, Performance Evaluation of Computer Networks, Innovation Management

**General Certificate of Education (Advanced Level) in Physical Science Stream - 2018**
*Mahinda College, Galle, Sri Lanka*
- Combine Mathematics - A | Chemistry - A | Physics - B

**General Certificate of Education (Ordinary Level) - 2014**
*Mahinda College, Galle, Sri Lanka*
- 8 A's

## ACADEMIC RESEARCH AND PROJECTS

**EverSync - Authenticity meets Blockchain (2025)**
Codeathon - Geveo Australasia (Pvt) Ltd
- Web 3.O project for checking authenticity and ownership transferring of luxuries products
- Based on XRPL Hooks, NFT, Web 3.O Authentication, Blockchain concepts

**PEMS by Duncan Solutions (Parking Enterprise Management System) (2024 - Present)**
Geveo Australasia (Pvt) Ltd
- Web Application for centralized parking management, including enforcement, payment integration, and real-time data analytics, aligning with Smart City initiatives
- Based on ReactJS, .NET 6, CosmosDB and Azure Services

**Final Year Research Project -  Automated Flowchart Comparison and Grading System (2023 - 2024)**
*Faculty of Information Technology*
- Developed an automated system to compare and grade flowcharts based on predefined criteria
- Implemented Optical Character Recognition (OCR) to extract textual information from flowchart images
- Designed an algorithm to analyze structural and logical similarities between flowcharts

**APEX Salary (2022 - 2023)**
Geveo Australasia (Pvt) Ltd
- A salary packaging system which mainly consider about car leasing and vehicle maintenance related transactions
- Based on VueJS, Flutter, .NET 6, Azure SQL, Azure Services

**HR Management System for MoraSpirit (2022 - 2023)**
MoraSpirit Initiative - University of Moratuwa
- Web Application for handling HR-related activities and maintaining information of members
- Based on Laravel, MySQL Technologies

**MSP Web (2021 - 2023)**
MoraSpirit Initiative - University of Moratuwa
- Official Web Application for University Sports in Sri Lanka handled by MoraSpirit
- Based on Laravel, PHP, Bootstrap, MySQL Technologies

## WORKING EXPERIENCE

**Software Engineer - Geveo Australasia (Pvt) Ltd**                       July 2024 - Present
- Developed and maintained dynamic, interactive, and responsive web and mobile UI components
- Developed and deployed RESTful API endpoints and Utilized Azure services to build scalable solutions
- Improved unit test coverages of several Microservices
- Upgraded .Net version, Cosmos NuGet packages and contributed to the Vue migration process
- Followed agile software development practices, and collaborated closely with cross-functional teams
- Conducted a Tech-Talk session (Link)
  - *Technologies - ReactJS, TypeScript, Redux, Cosmos DB, .Net 6, VueJS, Flutter, SQL and Azure DevOps & Services*

**Trainee Software Engineer - Geveo Australasia (Pvt) Ltd**              Dec 2022 - July 2023

## ACHIEVEMENTS AND CERTIFICATES

- **Supervised Machine Learning: Regression & Classification -** Issued by DeepLearning.AI
- **Hacktitude 2022 Organized by 99x Company -** Participation (Team 3BitZ)
- **HackMoral 2022 Organized by INTECS, University of Moratuwa -** Question Moderator
- **Technical Content Writer -** Issued by INTECS - UoM
- **Road to CodeMania 21 Organized by IEEE Computer Society of SLTC, Sri Lanka -** Participation
- **Code Rush 2020 Organized by INTECS, University of Moratuwa -** Participation (Team Zombie Bitz)

## EXTRA CURRICULAR ACTIVITIES

- Former Head of Web Pillar at the Association for Computing Machinery of the University of Moratuwa
- Former Head of Web and Technology Pillar at MoraSpirit, Sri Lanka
- Former Member of Classical Music Society, University of Moratuwa
- Former Cricketer of U13 and U15 School Team - Mahinda College, Galle, Sri Lanka

## PROFESSIONAL SKILLS AND OTHERS

- **Programming Languages -** Python, R, Java, C, C#
- **Web Development -** ReactJS, JavaScript, TypeScript Redux, Vue.js, NodeJS, Spring Boot, Express.js, Bootstrap, Material-UI, Laravel, .NET, Entity Framework Core, Azure Services, Azure DevOps, Heroku(PaaS)
- **Database -** MongoDB, MySQL, Cosmos DB, MSSQL
- **Mobile Application Development -** React Native, Flutter
- **Others -** TensorFlow, R, Numpy, Keras, MATLAB, Groq LLM, GIT, cPanel

## REFERENCES

**Dr. A.L.A.R.R. Thanuja (B.Sc. (Sri Lanka), Ph.D. (USA))**
Senior Lecturer,
Department of Computational Mathematics,
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