

Deshitha Gallage



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Education

University of Moratuwa

Expected Aug 2026

Bachelor of Science in Computer Science & Engineering (GPA: 3.78 / 4.00)

Colombo, Sri Lanka

- **Relevant Coursework:** Data Structures and Algorithms (C++), Program Constructions (Java), Probability & Statistics, Linear Algebra, Machine Learning, Data Science

Rahula College

2018 – 2020

G.C.E. Advanced Level (Z-score: 2.5302)

Matara, Sri Lanka

- **Stream:** Physical Science
- **Achievements:** Distinction passes in Combined Mathematics, Physics, and Chemistry

Experience

Nexster

Jan 2024 – Present

Backend Developer

Colombo, Sri Lanka

- Developed and maintained backend services using Go (Golang), ensuring high performance and scalability.
- Worked extensively with ArangoDB, a multi-model database, to design and optimize graph database schemas for complex queries.
- Collaborated with front-end developers to integrate RESTful APIs, enhancing the efficiency of data retrieval and manipulation.

Projects

IPL Data Analysis & 2025 Winner Prediction Model | *React.js, Flask, Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn*

- Performed comprehensive data analysis on IPL data from 2008 to 2024.
- Trained a model from scratch and fine-tuned for match outcome predictions.
- Deployed the model with a web application for user interaction and visualization.
- This was an individual project, showcasing my ability to manage all aspects of development from data analysis to web implementation.

Human Resource Management System | *React.js, Express.js, Node.js, MySQL*

- Led the development of the frontend using React.js, creating user interfaces for employee management and salary reporting.
- Developed the backend using JavaScript and Node.js, integrating with MySQL for data storage and retrieval.
- Managed the MySQL database, designing schemas for storing employee data, leave management, and report generation.
- Implemented user authentication and authorization to ensure secure access control and data protection.

Mora UXplore 2.0 Official Website | *React.js, JavaScript*

- Developed the timeline component on the landing page, enhancing user experience by providing a clear, interactive visual representation of key events.
- Implemented the frontend development for the registration and login pages, ensuring a responsive and user-friendly interface.

Technical Skills

Languages: Python, Java, C++, Go, JavaScript, TypeScript

Technologies: React.js, Next.js, Node.js, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap

Concepts: Machine Learning, Data Science, Artificial Intelligence, Neural Networks, API, Database Normalization, Cloud Computing, Backend Development, Frontend Development

Achievements

- **IEEEExtreme 17.0:** Achieved a global rank of 828 and country rank of 64.
- **ACES Coders v10.0:** Secured 37th place among 100+ teams.
- **Techno Hackathon, Xtreme 2023:** Selected as finalists and attained 7th place.
- **Crack the Code Hackathon - Enigma 24':** Selected as finalists and secured 10th place.

Volunteering

- Organizing Committee Member – SLIoT Challenge 2023** | *Science & Technology* Oct 2023 – Mar 2024
- Served as an editorial committee member for the SLIoT Challenge 2023, contributing to the planning and execution of the event.
- Company Coordinator - Careers Day 2024** | *Education* Jan 2024
- Volunteered as a company coordinator at the CSE Careers Day 2024, facilitating connections between industry experts and participants.
- Volunteer - IoT Workshop for School Teachers** | *Education* Dec 2023
- Volunteered for an IoT workshop tailored for school teachers, providing comprehensive training on microcontrollers, IoT fundamentals, and basic concepts of artificial intelligence.
- Marketing Committee Member - EXMO 2023** | *Science & Technology* Jul 2023
- Served as a member of the Marketing Committee for EXMO, the flagship technological exhibition of the University of Moratuwa.

Social Engagements

- Volunteer:** IEEE Sri Lanka – Educational Activities Committee
- Committee Member:** Editorial Committee of the IEEE Computer Society, University of Moratuwa
- Club Member:** Rotaract Club, University of Moratuwa
- Volunteer:** IEEE Student Branch, University of Moratuwa
- Prospect:** Leo Club of Matara Nilwala