

# Nipun Chamodya Bandara, Maha Mudiyansele

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Portfolio – [nipunbandara.vercel.app](https://nipunbandara.vercel.app)

## Education

### Master of Information Technology in Software Development

Jan 2024 – Dec 2025

University of Southern Queensland

### Bachelor of Computing in Software Engineering

Feb 2020 – Nov 2022

Curtin University

## Technical Skills

**Programming Languages** – Python, Java, JavaScript, C++, C, C#, .NET

**Frameworks & Libraries** – HTML5, CSS, XML, SOAP, ReactJS, NodeJS

**Data management & analysis** – SQL, MongoDB, GraphQL

**Project Management** – Jira, GitHub

**CI/CD Tools/Cloud Services** – Jenkins, Git, Docker, Kubernetes

**IT System Administration** – Windows Server, Domain Controller, Domain Name Server, Active Directory and Microsoft IIS configurations

**Relevant Coursework** – Data structures and algorithms, software engineering testing, cyber security

## Non-technical Skills

Communication skills, Written skills, Interpersonal skills, Effective working skills in team environments, Problem solving, Adaptability, Time management, Leadership skills, Attention to detail, Excellent documentation skills

## Work Experience

### Software Engineer – Self Employed

Apr 2023 – Jan 2024

CorsDeck Pvt Ltd – Colombo, LK

- Collaborated with product managers and stakeholders to gather requirements and to prioritize project development.
- Implemented authentication and authorization mechanisms using JWT tokens and OAuth2.
- Implemented caching strategies using React Query and Redux.
- Developed custom integrations with third party APIs such as email providers, QR generators and payment gateways.
- Architected and developed RESTful APIs, to seamless integration with systems.
- Optimized databases and developed efficient API calls using GraphQL.
- Deployed application using CI/CD tools with Docker, Kubernetes, AWS and GCP pipelines.
- Resolved production issues and implemented unit testing using JUnit and Jest.

## Project Experience

### Avanoa Web Application

JavaScript | ReactJS | WebGazer.JS | Sass | NodeJS | ExpressJS | MongoDB | Azure | EmailJS

- Alternative communication platform for motor disability people.
- By using the WebGazer library tracking eye movements to interact with the functionalities of the application.
- The application is based on JavaScript following the MERN stack.
- Project was developed following the Agile framework and as MVP versions for an actual client as a final-year project.
- Relevant documentations such as SRS, Technical Investigation Summary, Software Architecture Specification and Project planning were made.

### Zoo Melaka Management Web Application

JavaScript | ReactJS | NodeJS | ExpressJS | MongoDB | Postman | Bootstrap

- Full-stack management application using MongoDB, ExpressJS, ReactJS, and NodeJS.
- Project was developed following the agile framework with team members as a university 2nd year project.
- Relevant documentations such as SRS, Technical Investigation Summary, Software Architecture Specification and Project planning were made.

## **Sparta Event Management Web Application**

Java | MySQL | HTML | CSS | Servlet

- Basic CRUD functionalities for management purposes for events using JAVA and MySQL

## **Gaming Tournaments Mobile Application**

Android | Java | Firebase | SQLite

- Android Application using JAVA and Firebase for online gaming tournament management, where players and organizers manage their functionalities.

## **Peer-to-Peer Application**

C# | ASP.NET | MVC

- Peer-to-Peer desktop application to post jobs in Python and execute jobs of each peer automatically.
  1. ASP.Net MVC Web server WPF (.net framework) with multi-threaded (remoting server)
  2. ASP.Net Core Web Application

## **Achievements**

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- Participated in Hash Code (02/2021) - Google
- Participated in CODECON 2.0 (08/2021) - IEEE-SLIIT
- Participated in Mini Hackathon (05/2021) - SLIIT
- Hacker Rank Problem Solving (Basic) Certificate
- Hacker Rank Problem Solving (Intermediate) Certificate

## **Volunteer Works**

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Member of FOSS Club

- Helped with workshops, and events related to technology.
- Prepared documents, articles, and journals.
- Maintained websites by developing and continues improvements.

## **References**

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### **Mr. Sunil Korale Arachcilage**

Proprietor of Sunil Electricals

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### **Mr. Chathushka Rodrigo**

Co-Founder of CorsDeck

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