



NAVEEN NISHALKA

UNDERGRADUATE

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PROFESSIONAL SUMMARY

Undergraduate of BSc.(Hons) Electronic and Computer Science at University of Kelaniya , with an interest in Machine Learning, Artificial Intelligence, mobile app development, and backend development. My area of interest includes programming in C, Python, Java & JavaScript. Also, keen on solving real-world problems and provide solutions to them. also I do web development and Graphic design as a freelancer

ACADEMIC BACKGROUND

University of Kelaniya – Undergraduate

BSc. (Hons) in Electronic and Computer Science
(Expected Graduation: 2025)

This competitive four-year honors degree combines electronics and computer science, with specialization options from the third year. It covers topics like embedded systems, robotics, full-stack development, machine learning, and cybersecurity, along with management and professional skills. Emphasizing project-based learning and real-world applications, the program prepares students for roles such as software engineer, embedded systems engineer, and data scientist.

languages

English Professional
Sinhala Native

Skills

Technical Skills

Java	70%
Python	80%
C	70%
JavaScript	70%
React	80%
Firebase	70%

Tools & Platforms

VS Code
GitHub
Figma
Canva
Arduino

Core Skills

- Problem Solving
- Communication,
- Critical Thinking
- Object-Oriented Programming (OOP)
- Project Management

iCET (Institute of Computer Engineering Technology)
– Certified Developer Program

Diploma in Full Stack Development
(Expected Graduation: 2026 August)

This intensive diploma program focuses on full-stack web development, providing hands-on training in both front-end and back-end technologies. Emphasizing real-world project building, version control, and deployment, the program equips students with industry-relevant skills. Key areas covered include front-end technologies like HTML, CSS, JavaScript, and React, along with back-end tools such as Node.js, Express.js, Java, and PHP. It also includes database management with MongoDB and MySQL, and tools like Git, GitHub, REST APIs, Firebase, and deployment platforms. Throughout the program, students built multiple full-stack applications, gaining practical experience in modern development workflows and learning to design, develop, test, and deploy complete web solutions.

University of Moratuwa

Full Stack Developer Trainee (Online)
(2021 – 2022)

Completed a structured training program led by university instructors, focusing on full-stack application development and core software engineering principles. The program covered Java, Python, object-oriented programming, web development (HTML, CSS, JavaScript), and introduced frameworks and databases. It also emphasized the software development lifecycle and collaborative project work. Key highlights include participation in team projects and code reviews, development of strong programming and debugging skills, and exposure to agile methodologies and software design practices.

Royal College, Polonnaruwa

G.C.E. A/L (2022) – Physical Science

- A, 2C (C. Maths, Physics, IT)

G.C.E. O/L (2018)

- 6A, 2B, 1C

work experience

2024 – Present

Web Developer – Freelancer

Fiverr

Designed and developed responsive websites for multiple clients, delivering modern and user-friendly interfaces using HTML, CSS, JavaScript, and React. Customized features to align with client requirements and branding, while ensuring mobile optimization and performance efficiency across all projects.

2023 – 2024

Internship Trainee

People's Bank

Supported database management and internal application tools within a banking environment. Assisted in maintaining IT systems critical to core banking operations, gaining hands-on experience with real-world banking software, user support, and data security. Actively participated in troubleshooting, report generation, and routine system maintenance tasks.

Projects

Electronics Projects

E-Waste Project – Digital Dice using ICs

Built a working digital dice circuit using e-waste components and basic ICs. Focused on resource reuse and fundamental circuit design.

Computer Science Projects

EDUBridge – Educational Material Donation App

A C language-based desktop application to facilitate donations of books and educational materials. Designed for offline use with a simple interface for accessibility.

E-Learning Management System

Developed using Java and JavaFX, this system includes role-based access for students, instructors, and admins. Features: quizzes, grades, course registration, and admin controls.

Shopping Management System

A full-stack web app built with React, Tailwind CSS, Bootstrap, Firebase, MongoDB, and REST APIs. Manages products, user accounts, and orders with real-time backend integration.

Certifications

Python Programming – *University of Moratuwa, 2022*

- Completed an in-depth course covering Python fundamentals, data types, control structures, file handling, and basic algorithmic problem solving.

Java (Basic) Certificate – *HackerRank, 2022*

- Earned a certification by solving real-world coding challenges covering object-oriented programming, loops, and basic Java syntax and logic.

Front End Web Development

– *University of Moratuwa, 2022*

- Gained hands-on experience in HTML, CSS, and JavaScript. Built responsive web pages and learned the basics of UX/UI design.

Server Side Web Programming

– *University of Moratuwa, 2022*

- Focused on backend development using PHP and MySQL. Learned to build dynamic websites with CRUD operations and form handling.