



UMESH INDURANGA

Software Developer | Computer Science Undergraduate | Open Source Author
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EDUCATION

BSc (Hons) Computer Science | University of Westminster via IIT | 2024 - Present

Status: Ongoing - Level 5

Focus: Full-stack development, web applications with AI integration, data science

Full Foundation Degree Program | Informatics Institute of Technology (IIT) | 2024

Result: Merit

General Certificate of Education | Galahitiyawa Central College | 2009 - 2022

G.C.E. A/L (2022): Stream: Mathematics

G.C.E. O/L (2019)

TECHNICAL PROJECTS

APISnap - Open Source npm Package | Published on npm | 2000+ downloads

- Built and published @umeshindu222/apisnap - a zero-config CLI tool for auto-discovering and health-checking all Express.js routes instantly.
- Supports full auth coverage: JWT Bearer tokens, API Keys, Cookie/session auth, and multiple headers simultaneously.

Technologies: Node.js, JavaScript, TypeScript, Express.js, npm

Re-Life - RAG-Based Addiction Recovery Platform | Team Lead | SDGP Group Project

- Led a team to architect and build Re-Life, a monorepo containing a marketing landing page and a full-stack RAG-based recovery system.
- Designed and implemented the Node.js/TypeScript backend with Better-Auth, time zone-aware streak tracking, mood logging, and a journal system with Cloudinary image uploads.

Technologies: Next.js, Node.js, TypeScript, Express.js, MongoDB, Better-Auth, TailwindCSS, GSAP, Python, LangChain, Pinecone, FastAPI

PathFlow - Intelligent Navigation System

- Developed an intelligent pathfinding solution using advanced algorithms to optimize navigation and route planning.
- Implemented efficient data structures for real-time path calculation and integrated visualization with Chart.js.

Technologies: React, JavaScript, Node.js, MongoDB, JWT, Chart.js, Railway

Revit - Code review platform

- AI-powered code review platform with real-time collaborative editing (Monaco Editor +Socket.io), GitHub OAuth integration.
- Implemented for who is love to work collaborative with each others.

Technologies: React, TypeScript, Socket.io, GitHub API

Traffic Data Analysis Tool

- Built a desktop application for analyzing and visualizing traffic patterns with an interactive statistical dashboard.
- Implemented data processing pipelines capable of handling large-scale datasets.

Technologies: Python, Tkinter, Data Visualization, Statistical Analysis

ACHIEVEMENTS & COMPETITIONS

HackX 10.0 - Semi-Finalist | National-Level Hackathon | 2024

- Selected as semi-finalist; demonstrated innovation, technical excellence, and collaborative problem solving under time constraints.

CodeRally 6.0 - Intermediate Tier Participant | IEEE Computer Society Student Branch, IIT | 2024

- Received Certificate of Participation in recognition of coding proficiency and algorithmic problem-solving abilities.

TADHACK-2024 Participant | Telecommunications Innovation Hackathon | 2024

- Collaborated with teams to brainstorm and develop innovative telecommunications solutions.

SlitXtream 2.0 Participant | Extreme Coding Challenge | 2024

- Participated in rapid prototyping challenges, consistently delivering functional prototypes under pressure.

SKILLS & CORE COMPETENCIES

Programming Languages : Python, Java, JavaScript/TypeScript, SQL, HTML/CSS

Software Development: Full-Stack Web Development, REST API Design, Algorithm Design, Version Control (Git/GitHub), Agile Methodologies, Database Management, CI/CD Pipelines, npm Package Publishing

Frameworks & Libraries : React, Next.js, Express.js, Node.js, TailwindCSS, GSAP, Mongoose, Better-Auth, TensorFlow

Technical Tools : Figma, Postman, MongoDB Atlas, Cloudinary, GitHub Actions, Microsoft Office Suite

Soft Skills : Team Leadership, Agile Project Management, Analytical Thinking, Effective Communication, Adaptability & Continuous Learning

COURSES & CERTIFICATIONS

Learning Docker - LinkedIn | Mar 2026 | Completed

Machine Learning Foundations: Statistics - NASBA | Feb 2026 | Completed

PHP Essential Training - LinkedIn | Feb 2026 | Completed

Generative AI: Working with Large Language Models - LinkedIn | Oct 2025 | Completed

AWS Cloud Practitioner Essentials - AWS | 2026 | In Progress

Python for Beginners - University of Moratuwa | 2023 | Completed

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- **SDGP Team Lead** - Led the Re-Life group project team, coordinating architecture decisions, task delegation, code reviews, and GitHub workflow management.
- **IEEE Society Member** - Active participation in technical workshops, networking events, and society activities.
- **Open Source Contributor** - Maintaining and actively developing APISnap on npm and GitHub.
- **Competitive Programming** - Regular participant in coding competitions and hackathons.

REFERENCES

Dr. Ravindra Prabath
Rehabilitation Medical Officer
Abhimansala Wellness Resort
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