

G.R.O.D. PIYARATHNA

Computer Science Student | AI & Web Developer

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 Colombo, Sri Lanka

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EDUCATION

Diploma in Computer Science with Artificial Intelligence

National Institute of Business Management (NIBM-KIC)

 Expected Completion: 2025

- Specialization: Artificial Intelligence & Machine Learning
- Focus: Web Application Development, Data Structures, OOP
- Key Courses: AI Programming, Database Systems, Web Technologies

Diploma in English

TECHNICAL SKILLS

Programming

C++, Java, JavaScript, Python,
Prolog

Web Development

HTML5, CSS3, MySQL, Flask,
REST APIs

Tools & Technologies

Git, R Studio, SWI-Prolog,
Particle.js, VS Code

PROJECTS

ParkMate - Smart Parking System

Java OOP Swing GUI

- Desktop application for efficient parking lot management
- Automated fee calculation based on vehicle duration
- Real-time display of parked vehicles with GUI interface
- Input validation and error handling implementation

Smart Study Planner - AI Web Application

Python Flask Prolog MySQL HTML/CSS/JS

- AI-powered study schedule generator using Prolog reasoning
- Personalized timetables based on subject difficulty and exam dates
- MySQL database integration for data persistence
- Responsive web interface for multi-device access

Interactive Portfolio Website

HTML5 CSS3 JavaScript Particle.js

- Fully responsive design with mobile-first approach
- Dark/light mode toggle with localStorage persistence
- Interactive project modals and animated skill bars

- Dynamic project addition form with validation