Padmappiriyan Selvakumar

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github.com/Padmappiriyan

Profile

I am a motivated IT undergraduate at the University of Moratuwa with strong skills in software development and web technologies. I demonstrate accuracy, ownership, and adaptability in both collaborative and independent work. I am committed to continuous learning and contributing effectively to the tech industry.

Education

University of Moratuva, B.Sc. (Hons) in Information Technology | May 2023 – Present
- CGPA: 3.6/4.0

Kokuvil Hindu College , Jaffna | Jana 2012 – Aug 2021
- G.C.E A/L: Physical Science Stream - A2B - Z-Score: 1.801

Technical Skills

- **Programming Languages:** Java, JavaScript, C, Python (Beginner)
- **Backend:** NodeJS (ExpressJS), Spring Boot (Beginner)
- **Frontend:** React, Next.js, HTML
- **Databases:** MongoDB, MySQL
- **Currently Learning:** React Native, PostgreSQL
- **Version Control:** Git
- **IDEs:** VS Code, IntelliJ IDEA
- **Other Concepts:** Object-Oriented Programming (OOP), Data Structures and Algorithms

Projects

E-Commerce Platform for Custom 3D Frame Ordering (Second-Year Software Project) | GitHub
- Developed a full-stack web application that allows users to customize and order 3D photo frames online
- **Technologies Used:** Next.js, Express.js, MongoDB, Tailwind CSS, JWT, Cloudinary, Stripe

Contributions:
- Designed and developed the Cart Management system and collapsible Checkout flow (Billing, Shipping, Payment)
- Integrated Stripe for secure online payments, including validation and order confirmation
- Built the FAQ section and implemented Live Chat support using tawk.to
- Integrated Google Maps API for address autocomplete in the shipping form

E-Commerce Web Application (Nolimit) Frontend | GitHub
- Developed a responsive e-commerce platform with product catalog, cart, checkout, and payment
- **Technologies Used:** React, TypeScript, Vite, Tailwind CSS, Axios
- Built frontend with reusable components, managed product images, and implemented multi-step checkout with search and filter features

Automated Noodles Maker
- Arduino-based machine that automates noodle preparation — from dough pressing to cutting and steaming
- Designed to reduce manual labor and improve consistency in noodle production

- **Technologies/Devices Used:** Arduino Mega, Stepper Motor, Servo Motor, Heater Control Module, IR Sensors, Load Cell, LCD Display
- Wrote C firmware for Arduino Mega to control motors, sensors, and heating

Soft Skills

- Problem Solving
- Teamwork and Collaboration
- Communication Skills
- Adaptability and Learning Agility

Certifications

- Python Programming Beginner(University of Moratuwa)
- Backend Development with Node.js, Express, and MongoDB (Coursera) – In Progress
- Participated in Code Rush 2024 Competition
- Java Programming (University of Moratuwa)

Extra-Curricular skills

- Cricket
- Chess

Languages

Tamil(Native)   English

Referees

Referee 1: Naresh Shanmugaraj
Position: Founder & CEO
Company: Cogntix
Email: naresh@cogntix.com
Phone: +94 77 444 1787

Referee 2: Thameera Tharmakulasingam
Position: Senior Software Engineer
Company: Bistec Global services
Email: Thameera@bistecglobal.com
Phone: +94 77 059 7513