YUSRI AHAMED

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🌐 yusriahamed.engineer

in Yusri Ahamed

🐙 yusri009

Computer Science and Engineering undergraduate skilled in full-stack web development. Passionate about solving real-world problems and actively exploring Cyber Security, Pentesting, and AI/Machine Learning to enhance system performance and security.

EDUCATION

Bachelor of Science (Hons) in Engineering,
Specialized in Computer Science Engineering

University of Moratuwa, Sri Lanka
March 2024 - Present

Relevant Coursework: Data Structures and Algorithms, Computer Organization, Program Construction, Operating Systems, Database Systems, Networking, Computer Architecture, Artificial Intelligence

CGPA: 3.60 / 4.00

GCE Advanced Level

Zahira College, Kalmunai
June 2020 - February 2023

Relevant Coursework: Combined Mathematics, Physics, Chemistry, General English

Grades: Combined Mathematics - A, Physics - A, Chemistry - A, General English - A   (Z-Score 2.33)(Merit List)

GCE Ordinary Level

Al-Misbah Vidyalaya, Kalmunai
January 2009 - December 2019

Relevant Coursework: Mathematics, Science, English, History, Tamil, Islam, Commerce, Health & P.E., Tamil Literature

Grades: 9 A's

PROJECTS

Unicracker | unicracker.lk 🔗

Group Project
July 2025 - Present

React.js, Node.js, Express.js, MongoDB, Vite, Custom CSS

- Developed a full-stack MERN application to address the lack of a centralized system for university course selection in Sri Lanka, enabling students to search, filter, and manage preferences.
- Built a responsive, mobile-first UI featuring dynamic filtering and drag-and-drop course reordering, and integrated secure student profile management with update/logout functionality.

Clinic Appointment and Treatment Management System 🔗

Group Project
July 2025 - Oct 2025

React.js, Node.js, Express.js, MySQL, JWT

- Engineered a robust, multi-branch clinic management system with a primary focus on database integrity, ensuring ACID properties for all transactions in MySQL.
- Designed a complex relational schema and built a secure Node.js/Express backend with JWT role-based access to manage interdependent data with transactional reliability.

E-Commerce Web Application 🔗

Individual Project
Aug 2025 - Oct 2025

Next.js, Tailwind CSS, Node.js, Express.js, MongoDB (Mongoose))

- Developed a full-stack shopping platform with product browsing, category filtering, search functionality, and cart management.
- Implemented secure authentication with password hashing, and linked user carts to products using MongoDB collection references.

Personal Portfolio Website 🔗

React, Tailwind CSS / Hosting Platform (Firebase)

Individual Project
April 2025 - July 2025

- Designed and developed a responsive personal portfolio website to showcase my projects, skills, and contact information.
- Implemented smooth navigation, reusable components, and a clean UI with Tailwind CSS for a mobile-friendly experience.
- Visit my portfolio: http://yusriahamed.engineer

Snake Game – Java (Nokia Style) 🔗

Java, OOP, Swing, Game Development

Individual Project
March 2025 - April 2025

- Created the classic Snake Game using Java.
- Customized graphics and controls to mimic the retro Nokia keypad phone game style.
- Applied Object-Oriented Programming (OOP) principles to structure the code with classes and objects.
- Implemented game loop logic, real-time user input handling, and basic GUI using Java Swing.

TECHNICAL SKILLS

- **Frontend:** HTML, CSS, JavaScript, React, Next.js, Tailwind CSS, Bootstrap
- **Backend:** Node.js, Express, PHP
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Version Control:** Git, GitHub
- **Programming Languages:** Python, Java, C++, C
- **Designing Tools:** Canva
- **Documentation Tools:** Microsoft Office Suite, Google Docs

CERTIFICATES

- Introduction to Front-End Development - Meta (Coursera)
- Programming for Everybody(Getting Started with Python) - University of Michigan (Coursera)

LANGUAGE PROFICIENCY

- English
- Tamil(Native)
- Sinhala

EXTRACURRICULAR ACTIVITIES

- Member - An-Nusar Open Scout Group (2016 - 2022)
- Member - The First Aid group of Zahira College (2018 - 2022)