Nethmi Hapuarachchi

Computer Science Undergraduate

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About Me

As a Computer Science undergraduate at the University of Colombo School of Computing, I have built a strong foundation in software engineering through hands-on experience in full-stack development. I am passionate about designing efficient, scalable, and user-focused software solutions, and I adapt quickly to new tools and technologies in fast-paced environments. With a collaborative mindset, strong problem-solving abilities, and experience working on real-world projects, I am motivated to grow into a reliable and impactful software engineer who contributes meaningful value to development teams.

Education

University of Colombo School of Computing (UCSC)

Bachelor of Science in Computer Science, Current GPA: 3.192   *2023–2026*

Professional Experience

○ **Network Analytics & Automation - Intern, Dialog Axiata PLC, December 2025 – June 2026**
Currently contributing to an analytics-based automation system for new network cell deployment at Dialog Axiata PLC. My contribution involves developing the site-file component, centralizing multi-team inputs into a unified digital workflow and improving deployment efficiency through automation.

○ **Full Stack Developer, Ceygenic Global, February 2025 – October 2025 (Part-Time)**
Worked on medium to large-scale client-focused web applications, contributing to both front-end and back-end development. Implemented clean, maintainable, and scalable code while collaborating with designers and stakeholders to deliver production-ready solutions.

Technical Skills

Programming Languages: Python, PHP, C, C++, C#, Scala, Dart, Java

Frontend Development: HTML, CSS, JavaScript, React.js, Tailwind CSS, Bootstrap

Backend Development: Node.js, NestJS, Laravel

Databases: MongoDB, MySQL

Tools & Platforms: Git, Postman, Figma, cPanel

DevOps & Cloud: Docker, Azure Pipelines

Data Analytics & Visualization: Microsoft Fabric, Power BI (dashboard creation), Jupyter, Pandas, NumPy

Projects

● RUA Tours - Tourism Management Platform ⊕   2025

RUA Tours is a full-featured tourism management platform for a premium Sri Lankan tour operator (ruatourssl.com). It offers a seamless booking experience, multilingual content, dynamic tour package management, and an integrated blog.
  - *Technologies: PHP, Laravel, JavaScript, React.js, Tailwind CSS, Sanity CMS*
  - *Contribution: both front-end and back-end development*

● Noots – Music-Based Social Media Platform ○   2025

Developed a dynamic music-centric social media platform integrated with Spotify, enabling users to share, discover, and interact with music-related content. The system supports creating song-associated posts, following fanbases, and curating personalized feeds through advanced recommendation algorithms, enhancing user engagement and music discovery across a seamless, responsive interface. The platform ensures secure data handling and efficient API-driven interactions for a robust user experience.
  - *Technologies: NestJS, Node.js, Flutter, Dart, Spotify API, MongoDB*
  - *Contribution: Front-end development, back-end development, project management*

- Musicia – Musical Event Planning & Ticket Selling Platform ⓞ *2025*

    Developing an innovative web platform tailored for event planners, performers, and service providers across Sri Lanka. The system streamlines music event planning through tools for promotion, stakeholder coordination, communication, and scheduling. It also supports secure ticket sales enhancing efficiency and user convenience.
    - *Technologies: PHP, HTML, CSS, JavaScript, MVC Architecture, MySQL*
    - *Contribution: Design wireframe , Design user diagrams, both front-end and back-end development*

- Slice-of-Sweet - Cake Ordering platform ⓞ *2024*

    Slice of Sweet is an online cake ordering system for special occasions. Users can customize cakes by choosing size, flavor, toppings, and decorations. Eco-friendly packaging and dietary options are available. Built to make cake ordering simple, joyful, and personal.
    - *Technologies: React.js, Node.js, Express.js, MongoDB*
    - *Contribution: both front-end and back-end development*

- Movie Recommendation System ⓞ *2025*

    Developed a content-based movie recommendation system using natural language processing to suggest the top 10 similar movies based on user input. It analyzes metadata such as genres, keywords, tagline, cast, and director to compute similarity scores.
    - *Technologies: Python, Pandas, NumPy, Scikit-learn*
    - *Contribution: Individually developed with data preprocessing, text vectorization, similarity computation, and a*

user-friendly interface for personalized suggestions.

Achievements

○ Semi-Finalist, SLIOT 2025
○ Top 20 Finalist, Code Crunch by CSE

Certifications

○ Databases and SQL for Data Science with Python (Coursera)
○ Supervised Machine Learning: Regression and Classification (Coursera)
○ Certificate in Cyber Security and Ethical Hacking (CICRA Campus)

Career Interests

○ Full Stack Software Engineering
○ Backend Development and API Design
○ Data-Driven Systems and Automation

Volunteering Experience

- **IEEE Student Branch of UCSC**
    Executive Committee Member: Treasurer — 2025 - 2026
    Standing Committee Member: Marketing Lead — 2024 - 2025
    Events:
    - AI Driven SL January Community talk — 2025 - Event Chair
    - IEEE Xtreme 18.0 — 2024 - Marketing Lead
    - StudPro — 2025-2026 - University Representative
    - AI-Driven SL Community — 2024-2025 - University Representative

References

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