

ASHEN THILAKARATHNA

FULL-STACK DEVELOPER INTERN

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SUMMARY

Passionate about Full-Stack Development, AI, and Blockchain, and looking for an internship to apply my skills and contribute to meaningful projects.

EDUCATION

B.Sc. in Computer Science & Physics - University of Peradeniya (May 2021 - May 2025)

- Relevant coursework in Web Programming, Computer Architecture, Data Structures, Artificial Intelligence, and Server-Side Web Programming.

GCE A/L - Physical Science Stream - D. S. Senanayake College Colombo (Jan 2017 - Aug 2019)

- Z-Score of 1.3224 with grades in Physics (B), Chemistry (B), Combined Mathematics (C), and General English (B).

PROJECTS

Order & Event Management System for 'Studio Senura Seya' - (University Group Project)

- Developed web-based application to manage events and daily orders for photography studio handling 200-250 daily customer visits using Next.js, Spring Boot, MySQL, and Tailwind CSS.
- Key Contributions: Newsletter Subscription, "Our Packages" page, Admin Dashboard with CRUD functionality, API integration.

Solo Full-Stack Projects

- Developed comprehensive author and post management dashboards using MongoDB, Express.js, React, Node.js, and RESTful APIs. Implemented backend services for content creation, user authentication, and database management.
- Developed an immersive web application providing ambient noise solutions for sleep aid using Three.js, JavaScript, HTML5, and CSS3.
- Built an animated newsletter subscription page with form validation using Next.js, Tailwind CSS, and Mailchimp API integration.

Solo AI Projects

- Developed AI Challenge Generator, a full-stack web application that generates AI-powered coding challenges using React, FastAPI, OpenAI API with user authentication, quota management, and interactive MCQ interface.
- Developed AI Virtual Mouse, a computer vision application enabling touchless computer control through hand gestures using Python, OpenCV, and MediaPipe for real-time hand tracking.
- Built an AI-powered research agent for discovering and analyzing developer tools using LangGraph, OpenAI GPT-4, and Firecrawl with automated web extraction capabilities.

SKILLS

Programming Languages	: JavaScript, TypeScript, Python, Java, C++, Rust, Solidity, Foundry
Frameworks/Libraries	: React, Next.js, Three.js, Ethers.js, Node.js
Cloud Platforms & DB	: Google Cloud, AWS, MongoDB, MySQL
Soft Skills	: Communication, Team collaboration, Problem Solving, Agile Working

EXTRACURRICULAR ACTIVITIES

- Rotaract Club of UOP - Joint Secretary (2023/24) / Co-Director of Public Relations (2022/23)
- Hockey Team Player - University & School

ADDITIONAL INFORMATION

Languages: English, Sinhala

Certifications: JavaScript Essentials 1 & 2 (Cisco Lab), Google Arcade Facilitator Program (2024), AWS Innovate, AI Agents Fundamentals (Hugging Face), Other Relevant Coursera & Udemy Certifications

Bootcamps: Solana Developer Bootcamp (2024), Metana Tech Bootcamps (Uniswap V4)

Awards/Activities: Freelance Writer on medium.com (Topics: Technology, Blockchain & AI), RankMaths's Affiliate Contest Winner (July 2024)