Azeez Shaban

SOFTWARE ENGINEER INTERNSHIP

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Profile Summary

Computer science undergraduate at the University of Kelaniya, specializing in data science. Experienced in building and deploying scalable web applications using technologies such as React and Next.js for frontends and Node.js, MongoDB and MySQL for efficient backends with experience in cloud platforms. Strong interest in combining full-stack development with AI tools, demonstrated through projects such as an AI-powered summarization tool and an intelligent web scraper built with Python, LangChain, and the OpenRouter API. Developed practical software solutions by combining full-stack development skills with AI integration, creating applications that improve efficiency and usability.

Core Competencies

- React, Next.js
- JavaScript, Tailwind CSS
- Node.js, Express.js, PHP
- MongoDB, MySQL
- Spring Boot, Firebase
- Angular, Typescript, Java

- HTML5, CSS3, Bootstrap
- REST APIs, SEO
- Git, GitHub Actions, CI/CD
- AWS, Docker
- Python, Streamlit
- Selenium, LangChain

Projects

Personal Portfolio Website | GitHub

- Enhanced a responsive portfolio using **Next.js** and **Tailwind CSS**, improving load time by 35% with automated design.
- Implemented interactive project cards and a clean UI, boosting recruiter engagement by increasing average visit duration by 40%.
- Streamlined **Web3Forms API** to securely handle 100+ form submissions for contact queries.

Movie Trailers Recommendation Application | GitHub

- Constructed a responsive streaming platform UI using **React + Vite, JavaScript (ES6+),** and **Bootstrap**.
- Incorporated **TMDb API** to handle 1000+ API calls/day, enabling real-time movie data, including titles, categories, and detailed information.
- Integrated user authentication & database with **Firebase** to enable managing secure access for 50+ test users.

Full-stack Blogging Web Application | GitHub

- Created a blogging platform with **Angular 19**, supporting modular components for various blog entries and multiple user profiles.
- Built and exposed **RESTful APIs** using **Spring Boot** and integrated with **MySQL,** reducing API response latency by 25%**.**
- Deployed the application on **AWS Elastic Beanstalk**, using **AWS RDS** for the database and **AWS S3 + Amazon CloudFront** for optimized static asset delivery.

Full-Stack E-Commerce Web Application | GitHub

- Devised a **MERN-stack** e-commerce platform with **Tailwind CSS**, handling 100+ products and variant options**.**
- Established integration of **Stripe** and **Razorpay** payment gateways for online payments, allowing for enhanced transactional capabilities.
- Launched an admin dashboard for product management (add, delete, update) and order tracking effort by 60%**.**
- Architected **REST APIs** to manage product, user, and order data in **MongoDB** with secure role-based access**.**

AI-Powered Summarization Tool | GitHub

- Introduced an AI-powered tool to generate summaries from text, PDFs (100+ pages), and YouTube videos, saving users hours of reading time**.**
- Developed a **Flask** backend with an API-driven architecture leveraging the **OpenRouter API** enabling scalable summarization requests**.**
- Designed a **React + Vite** frontend with a clean, user-friendly interface, achieving 90%+ task completion success in testing**.**

AI-Powered Web Scraper Tool | GitHub

- Launched an AI-powered web scraping application with a **Streamlit UI** capable of extracting thousands of DOM elements per run**.**
- Scrapes websites dynamically using **Selenium** and extracts DOM content from a given URL.
- Crafted **LangChain** and AI models to allow users for enable natural language search with high response accuracy queries of extracted website data.

Education

B.Sc. (Hons) Computer Science degree program   2022 - Present

University of Kelaniya, SriLanka
Specialize in Data Science (Current GPA 3.23)

Certificates

- Postman API Fundamentals Student Expert | Postman | Credential ID : 689478b64b9ed0285f8
- Python for Data Science | IBM | Credential ID : 6578c4567mn677
- AWS Educate Introduction to Cloud 101 | Amazon Web Services Training and Certification
- SQL and Relational Databases 101 | IBM | Credential ID : 51f6cc1d8435448c97bd76c8c33b85a

Volunteering Experience

- Member (Computer Science Student Association – University of Kelaniya)   2022 – Present
- Member (FOSS Community – University of Kelaniya)   2024 – 2025
- Member (Junior Old Boys Unit – Thurstan College - Colombo)   2024 – Present
- Statistics and Mathematics Tutor (University of Kelaniya)   2024 – 2025