BINOJ MADHURANGA

Software Engineer Intern

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PROFILE

Motivated undergraduate passionate about building real-world digital solutions. Skilled in full-stack development using Java, Spring Boot, React, React Native, Node.js, and SQL databases. Experienced in REST API development, JWT authentication, and OpenAI integrations. Quick learner with strong problem-solving ability and committed to writing clean, maintainable code.

EDUCATION

BSc. Honours Degree in Software Engineering	2023 - Present (Expected Year - 2027)
Sabaragamuwa University of Sri Lanka	Current GPA: 3.06 / 4.00
G.C.E Advanced Level - Physical Science Stream	2019 - 2021
Bandaranayake Central College - Veyangoda	

PROJECTS

Gemora– AI Powered Digital Gemstone Trading & Auction Platform (Group Leader)   ▶ G ⭘

- Technologies used: Spring Boot, Tensorflow, React, React Native(Expo), MySQL , Zustand
- A secure digital marketplace for gemstone trading featuring real-time auctions, identity verification, and AI-powered analysis. Built frontend with React + React Native and backend with Spring Boot and MySQL. Designed complete UI/UX in Figma.

Smart-Biz - Open AI-integrated ERP System (Individual)   ⭘

- Technologies used: Spring Boot, MySQL, Hibernate, React, Tailwind, Open API
- SmartBiz is a system that helps small businesses manage sales, customers, and inventory, and also generates AI-powered reports and posts.

FinanceMind – AI powered Finance Tracking Application (Individual)   G ⭘

- Technologies used: Express.js, Flask, PostgreSQL, Sequelize ORM, Next.js + Redux
- AI-powered personal finance tracking system allows users to efficiently manage income, expenses, categories, and monthly financial summaries through a clean and responsive dashboard.

Laptop Price Predictor (Individual)   ⭘

- Technologies Used**:** Spring Boot, Flask, React, Numpy, Pandas , Tailwind
- Machine learning based web app that predicts laptop prices using specifications such as CPU, RAM, storage, and GPU. Implemented ML model with Python (NumPy, Pandas, Flask) and integrated with a Spring Boot + React frontend.

Email_Ms (University Project Managment System)   ⭘

- Technologies used: Node.js, Express.js, MongoDB, React
- Email_Ms is university project managment and this project is requested from our University lecture staff.

EXPERIENCE

Advanced Full-Stack Development Program (Training Program)
- Completed the Advanced Full-Stack Development Diploma at ACPT, gaining practical experience in modern backend and database technologies. Developed strong skills in Java, Spring Boot, Hibernate/JPA, and MySQL, along with hands-on knowledge of API development, authentication, and deployment. This program enhanced my ability to build scalable, secure, and production-ready full-stack applications.

TECHNICAL SKILLS

Programming Languages : Java, JavaScript, TypeScript, SQL, Python , C, PHP

Frameworks & Libraries : Spring Boot, Node.js,Express.js, React.js, React Native(Expo), Next.js,Redux, Zustand

Databases : MySQL, PostgreSQL, MongoDB, Sequelize ORM, Hibernate

Cloud & Deployment : AWS EC2, AWS S3

Concepts & Practices : REST API , MVC architecture,SOLID Principles, JWT Authentication, OOP, Agile/Scrum, CI/CD

AI & Automation : OpenAI API integration , NumPy, Pandas, TensorFlow

SOFT SKILLS

- Teamworking
- Leadership
- Documentation
- Communication
- Problem-Solving
- Self-Learning Ability
- Presentation
- Time Management

CERTIFICATIONS

- **Diploma in ICT** - IBM Campus (Minuwangoda)
- **AI Engineer Path** - Scrimba 🔗
- **Intro to Machine Learning** - Kaggle 🔗
- **Next.js Crash Course** - Udemy 🔗
- **Diploma In English** - British Way English Academy

VOLUNTEERING

- Career Compass - IEEE Student Branch, Sabaragamuwa University of Sri Lanka - Public Speaker 🔗
- HOPE - IEEE WIE Student Branch, Sabaragamuwa University of Sri Lanka - Instructor 🔗
- COMURS 2025 - Sabaragamuwa University of Sri Lanka - Programme Moderator 🔗
- PearlHack 4.0 - IEEE Student Branch, Sabaragamuwa University of Sri Lanka - Finance team
- IEEE Day -IEEE Student Branch, Sabaragamuwa University of Sri Lanka - Programme Moderator 🔗

REFERENCES

Mr. Yasindu Sathsara
CEO & Founder ,
Hotcat Technologies,
Panadura.
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