Kumesha Rashmi

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Summary

Highly motivated and results-driven Computer Engineering undergraduate with expertise in full-stack web development, mobile app development, and machine learning. Skilled in front-end (React, MUI, Tailwind), back-end (Node.js, Express), and mobile technologies (Flutter/Dart). Proficient in data structures, algorithms, and software engineering principles, with hands-on experience delivering innovative projects. Seeking a software developer internship to apply technical skills, gain practical experience, and contribute to impactful solutions in a collaborative environment.

Skills

- **Frontend Development:** React.js, Next.js, Tailwind CSS, Material-UI (MUI), JavaScript, TypeScript, HTML, CSS.

- **Backend Development:** Node.js, Express.js, Firebase, REST APIs.

- **Mobile Development:** Flutter, Dart, Android Studio, Firebase Authentication.

- **Databases:** MySQL, MongoDB, Cloud Firestore.

- **Tools and Technologies:** Git, GitHub, Jira, Confluence, Figma, Adobe Photoshop, Postman, Agile Development, UI/UX Design.

- **Programming Languages:** C, C++, Java, Python, Dart, JavaScript, TypeScript.

- **Core Competencies:** Data Structures, Algorithms, Machine Learning, Artificial Intelligence, Full-Stack Development, Web Design, Cloud Computing, Networking.

- **Soft Skills:** Project Management, Communication, Leadership, Teamwork, Problem-Solving, Creativity, Adaptability, Time Management, Critical Thinking.

Education

- **University of Ruhuna**
  BSc (Hons) in Computer Engineering (Undergraduate) *March 2022 – March 2027*
  SGPA: 3.69
  Related Coursework: Software Project, Web Development, Mobile App Development, Machine Learning, Artificial Intelligence, Computer Architecture, Data Structures and Algorithms, Design Patterns, GUI Development, Spring Boot, Object-Oriented Programming (OOP), SQL and NoSQL Databases, DevOps, Networking.

- **Sri Sumangala Girls' School, Panadura**
  Completed Advanced Level Examination (Focused on Mathematics, Physics, and Chemistry.) (2006-2019)

Projects

- **KumiaiBot- AI Chatbot Web Application** *May 2024 – June 2024*

  - Build a full-stack AI chatbot using the MERN stack (MongoDB, Express, React, Node.js) with advanced authentication features like user registration and login.

  - The chatbot ensures secure interaction using JWT, HTTP-only cookies, and a MongoDB-based database, offering a ChatGPT-like interface powered by React and Material UI. The application is fully responsive, user-friendly, and features seamless API communication with Axios for real-time interactions.

- **Eventfy-Local Event Finder Software Project** *Oct 2024 – Present*

  - Developed Local Event Finder, a web and mobile application for discovering local events based on interests and location.

  - Designed features such as event search and filtering, ticket booking with generated unique QR codes and calendar view or map view to display events, I contribute as a project manager (Jira), mobile app developer (Flutter/Dart, Firebase), and web frontend developer (MERN stack).

- **Mobile Phone Price Predictor** *Nov 2024 – Dec 2024*

  - Developed a machine learning model to predict mobile phone prices based on mobile phone common features using a publicly available Kaggle dataset train using a Jupyter notebook.

  - Implemented and trained models using Random Forest and Linear Regression algorithms.

– Libraries and Tools: Python libraries like Pandas,Matplotlib,Seaborn and Scikit-learn

- **MenuMate- Food Ordering Mobile Application** *Oct 2024 – Nov 2024*
  – Developed a food ordering app with Flutter, Dart, and Firebase.

- **Fitness Tracking Management System** *Feb 2024 – Mar 2024*
  – Demonstrating expertise in database design, advanced SQL, and query optimization. Designed ER diagrams using Chen notation, normalized data to 2NF, and ensured referential integrity with foreign keys.
  – Crafted complex queries, optimized performance with indexing, and created views for data abstraction, showcasing the ability to apply theoretical concepts to real-world data management solutions.

- **C++EcoBins- Waste Management System** *Mar 2024 – Apr 2024*
  – Developed an efficient waste management system using C++ with a focus on data structures and algorithms for optimal sorting and categorization of waste.

- **BudgetBolt Personal Finance Tracker Web Application** *Jan 2024 – Feb 2024*
  – Built a finance tracker with dashboards, expense tracking, and budgeting using HTML,CSS js.

Competitions

- Hackholics 6.0 Finalist (Top 10) organized by IEEE WIE UCSC.
- Participated in the Innovate with Ballerina Coding Challenge and developed Decentralized voting platform backend using ballerina, organized by the IEEE Student Branch of the University of Moratuwa in collaboration with WSO2.
- Participated in Xtream Encode (IEEEXtreme 18.0, Region 10).
- Codesprint 8 participant (Informatic Institute of Technology IEEE Student Branch).
- Participated in Eminence 4.0 competition, developing a microcontroller-based car parking system (IEEE WIE Ruhuna).

Certifications

- **Python Course** (University of Moratuwa, Department of Computer Science and Engineering).
- **Supervised Machine Learning Regression and Classification Course** (Coursera).
- **AI Builders Lab Bootcamp** (Google for Developers and Hack2Skill).
- **Python Data Analytics Real-World Projects** (Udemy).
- **CSS Basic Certificate** , **SQL Basic Certificate**(Hackerrank).
- **MERN Stack Course** (Simplilearn).
- **Advanced UI/UX for Beginners** , **Flutter for Beginners** (Great Learning Academy).

Extracurricular and Volunteering

- **IEEEXtreme 18.0 Proctor Program Sub-Committee:** General Team Member, contributing to the coordination and strategy for the international coding competition.
- **Ad Astra 1.0 - Half Night Camp:** Organizing Committee Member (Registration Team) for the event organized by the Faculty of Engineering, University of Ruhuna.
- **SEDS Ruhuna:** Active member of the Education Team, focusing on promoting educational activities and outreach programs.

References

1) Dr. Prabath Weerasinghe
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