

Aksharaa S

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SUMMARY

Software Developer with 2+ years of experience specialising in software design, development, testing, and maintenance. Proficient in HTML, CSS, JavaScript, and ReactJs. Proven in optimising website performance, achieving a 20% reduction in loading time and a 30% increase in customer satisfaction. Eager to contribute to team success with solution oriented and collaboration skills.

PROFESSIONAL EXPERIENCE

Collins Aerospace

Associate Engineer

Bangalore, KA India

Jul 2022 - Apr 2024

- Collaborated with the frontend team to develop UI features with React and Redux for Aircraft connectivity services, integrating libraries and packages; optimising user experience by 45% and empowered end users, driving operational improvements for 1,100 aviation professionals.
- Executed the development of an ARINC Online Services Portal for International Airlines using HTML, CSS, and ReactJS; improved sustainability and usability, increasing business aviation end-user efficiency by 50% with fully responsive design for all devices.
- Developed and optimised interactive map for Aerospace Ground Station Status using React, Mapbox, and Material UI, providing precise real-time data visualisations, improving operational efficiency by 30%.
- Improved software quality by 35% through continuous code reviews and rigorous testing, ensuring a seamless user interface for aerospace professionals by addressing technical issues with troubleshooting and debugging to ensure the functionality and performance of the UI modules.
- Coordinated with cross-functional teams, including stakeholders, product managers, project technical teams, and UX designers; achieved a 20% increase in on-time project delivery using Agile methodology and sprint-based development.

Software Intern

Feb 2022 - Jun 2022

- Pioneered the innovative design and development of applications using low-code PowerApps, quickly learning the technology to achieve a 40% reduction in development time and a 20% increase in project delivery speed.
- Leveraged the seamless integration of data sources connections with SharePoint functionalities by enhancing inter-team communication and data-driven decision-making through research and analysis.
- Designed application UI for the Aircraft Parts Tracking System, streamlining navigation and responsible for overall user satisfaction scores by 20%.

EDUCATION

Master of Computer Applications, CGPA: 9.0

PSG College of Technology

Nov 2020 - May 2022

Coimbatore, TN India

BSc Computer Systems and Design, CGPA: 7.5

PSG College of Technology

Jun 2017 - Sep 2020

Coimbatore, TN India

SKILLS

Technology Stack: HTML5, CSS3, Javascript, Bootstrap, Material UI, Tailwind CSS, SASS, NodeJs, ReactJS, Redux, Java, Django(Python)

Database: MySQL, Oracle

Version Control & CI/CD: Git, Jenkins, Tortoise SVN

Tools: Visual Studio Code, Liferay Developer Studio, Figma(UI/UX Design)

Web Servers: Liferay Portal Server (Java)

Project Management: Agile (Scrum, Kanban), Jira, Confluence

Low Code Platform: PowerApps, Sharepoint (Online and Server)

ACCOMPLISHMENTS

- Awarded as “Best out-going Project of the year 2020” in Vehicular communication from PSG Tech Alumni Association.
- Involved and presented a paper in “International Conference” on development and management of smart cities and homes conducted by PSG college of Technology in 2020.
- Published a paper on the topic “SoundCloud-Music application” as a final year postgraduate project in 2022.
- Undergone a Diploma in IT in NTI University, New Zealand for 1 year.

PROJECTS

SoundCloud- Implemented an intuitive online music player web application using Django, HTML, CSS, JavaScript, Bootstrap, and SQLite, and integrated Razorpay for secure payments; facilitating music streaming anytime, anywhere and increased accessibility to diverse payment modes like credit and debit cards, UPI, and mobile wallets, boosting transactions by 30%. Leveraged BeautifulSoup for efficient web scraping.

Safe Space Mobile Application- Developed a secure and robust mobile platform using Java JDK, API libraries in Android Studio and Firebase Cloud Storage, enabling users to store, edit, and organise personal and business projects; boosted user engagement through streamlined note and file management.

Pharmaceutical Supply Services- Implemented an enterprise web application using the Django framework, streamlining online purchase and management of medicines, ensuring timely delivery, and reducing manual work for managing sales, medicines, and stocks. Integrated RazorPay API for secure payments. Incorporated HTML, CSS, JavaScript, Bootstrap, Django, and MySQL.

Student Management System- Created a comprehensive web application leveraging WAMP server technology; integrated a detailed database and interactive web pages, allowing users to easily review academic activities and increasing system utilisation.