KEERTHI PRASANTH RAVICHANDRAN

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WORK EXPERIENCE

IT SUPPORT SPECIALIST   Jan 2025 - Present
Door Valley   Leicester, UK
- Collaborated with cross-functional team on system upgrade, ensuring minimal downtime.
- Providing technical assistance to the end-users by resolving software issues promptly.
- Documented common technical problems/solutions, creating a comprehensive knowledge base for future reference.

SOFTWARE ENGINEER TRAINEE   Aug 2021 – Sep 2022
Tata Consultancy Services (TCS)   Chennai, India
- Worked for US-based real estate clients by developing the lease management workflows using Tririga as the Integration software.
- Created automated workflows to manage the lifecycle of a lease agreement such as lease creation, approval process, renewals and terminations.
- Experienced in gathering the workflow requirements by ensuring legal and financial regulation complaints.
- Collaborated as a team player by actively participating in project discussions and supporting colleagues to achieve common goals.
- Worked in a project that follows Agile methodology by participating in the daily stand-ups, collaborating with cross-functional teams and delivering story points on time.

EDUCATION

MASTER OF SCIENCE ADVANCED SOFTWARE ENGINEERING – Merit (2:1)   2022 - 2024
University of Leicester   Leicester, UK
Modules: *Mobile and Web Applications, Advanced Web Technologies, Software Measurement and Quality Assurance*

BACHELOR OF SCIENCE COMPUTER SCIENCE AND APPLICATION - Distinction   2018 – 2021
Sri Krishna College of Arts and Science   Coimbatore, India
Modules: *Software Engineering, Mobile Application Development, Data Structures and Algorithms, Java, C Program*

UNIVERSITY PROJECTS

Preference-based Group Allocation System | *React.js, Node.js, Express.js, MongoDB*
- Facilitated group allocation for the 'Personal and Group Skills' module at the University of Leicester, resulting in a 50% reduction in allocation time and increased user satisfaction by 35%.
- Developed an efficient group allocation algorithm considering user preferences and enhancing group formation.
- Implemented robust data security measures, including bcrypt hashing for secure password storage and JWT (JSON Web Token) for user authentication, ensuring data security and privacy.

W.O.W Production Presents | Live Link | *React.js, Tailwind CSS, Netlify*
- Developed a dynamic and responsive website for an event management organization, enhancing user experience.
- Streamlined deployment on Netlify with continuous integration and delivery, ensuring high availability and reliability.

iGSE – An Energy Tool | *Android Studio, Java, MongoDB*
- Enabled users to submit energy and gas consumption readings, reducing data entry time and minimizing errors, resulting in higher data accuracy.
- Established an automated bill-generating system based on submitted readings, leading to a 55% reduction in billing errors and increased billing accuracy.

Break-Up (An alternative to Split-Wise) | *Java, MongoDB, Randoop*
- Led a team of 6 members as a Scrum Master in the collaborative development of an application for bill splitting, ensuring efficient task allocation, progress tracking, and timely delivery of project milestones.
- Achieved a remarkable test coverage of 95% for 84 methods using Randoop and White-box testing.
- Engineered effective teamwork dynamics through structured stand-up meetings, sprint planning sessions, and retrospectives in JIRA; streamlined communication channels, resulting in a 30% reduction in project turnaround time.

Zen-flow Yoga (Similar to PureGym class booking service) | *React.js, Node.js, Express.js, MongoDB, AWS S3 Bucket*
- Collaborated as a backend developer in a team of three to develop a secure web application for a yoga class organization, implementing JWT tokens and password hashing for user authentication.
- Utilized AWS S3 Bucket for storing and rendering Asana images through MongoDB, enhancing the application's efficiency and data management.

SKILLS

JavaScript, HTML, CSS, Tailwind, Boostrap	Java, Android Studio (XML), Figma
React.js, Node.js, Express.js, MongoDB	AWS, REST API, Git, JIRA, Postman

COURSES AND CERTIFICATIONS

AWS Certified Developer - Associate
Creativity: Design Thinking and Innovation by Concordia University New York
Enhancing Soft Skills and Personality by NPTEL
Online course in RDBMS PostgreSQL and Java

References are available upon request