Aishwarya Sura Ravi

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Education

BE, Computer science & Engineering (8.48 CGPA)   [Aug 2017-Aug 2021]

Global Academy of Technology

Work Experience

M2R2   [Mar 2024- present]

Full Stack developer

- Developing RESTful APIs in the controller layer and architecting complex business logic in the service layer using Java and Spring Boot framework, resulting in a 40% increase in API performance and a 25% reduction in response time.
- Led the implementation of Next.js for frontend development, utilized Figma for UI/UX design, and integrated Reactjs for user interaction improvements; achieved a 30% faster page load time and 20% increase in conversion rate.

Cognizant   [Oct 2021-Mar 2024]

Junior Software Engineer

- Developed a streamlined onboarding application for new associates, leveraging Spring Boot and Reactjs frameworks.
- Successfully created RESTful APIs in the controller layer and implemented seamless associate authentication using java and spring framework which reduced manual efforts, resulting in a 75% improvement in overall system efficiency and enabling easy navigation and tracking of associates.
- Managed the codebase with frequent updates via the GIT version control system.
- Crafted the components using Reactjs framework ,HTML and also styling the UI with Material UI and CSS.
- Performed form validation using Formik and Yup in the frontend using Reactjs.

IC solutions   [Mar 2021-Apr 2021]

Machine Learning Intern

- Built a classification model achieving a 90% success rate in categorizing dry beans based on their characteristics using decision tree and KNN algorithms.

Suven Consultants & Technology Pvt. Ltd   [Nov 2020-Dec-2020]

Data Analytics using Python Intern

- Improved weather forecasting with linear regression, minimizing impact, and achieved 95% precision in handwritten digit recognition using CNN.

The Sparks Foundation   [Oct 2020-Nov 2020]

Data Science & Business Analytics Intern

- Achieved 90% accuracy in real-world data classification and crafted a Tableau dashboard illustrating COVID-19's global impact on economics and healthcare trends.

Projects

Handwritten Kannada Detection system:

- Designed a Convolutional Neural Network model for Kannada Handwritten Text Recognition, achieving 95% accuracy
- A user-friendly web application facilitating seamless Kannada character image uploads and recognizing characters, reducing manual intervention by 60%.
  [Technology:Python, HTML, CSS, Django]

TweetsFlow Application:

- Developed a high-performance microservices app using Java and PostgreSQL to monitor real-time tweets; redesigned user interface resulting in a 40% increase in user engagement and data management efficiency.

  [Technology:Java, PostgreSQL, Apache Kafka, ELK stack, Docker,Kubernetes]

Recipe Recommendation Web Application:
- Created an OAuth 2.0 secured, microservices-based web app for interactive recipe exploration with detailed ingredient and calorie info, enhanced by a personalized recommendation system.
  [Technology:Java, MySQL, Reactjs , Typescript,MongoDB]

Technical Skills
- Languages: Python, Java 8, Java Core, HTML, CSS, JavaScript, Reactjs, Typescript, Sass,SQL
- Technologies/Frameworks:MySQL,Springboot,Docker,Git,Swagger,Postman,Material UI,Formik,Yup
- Cloud Providers: AWS, Azure, GCP

Certification

- Microsoft Certified: Azure Fundamentals
- Google Cloud Certified: Cloud Digital Leader