Mohan Sri Krishna K

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Accomplished Software Engineer with a strong foundation in software development technologies and processes. Proven track record of delivering high-quality applications and consistently surpassing organizational objectives.

QUALIFICATIONS SUMMARY

Software Development

- Functional knowledge of numerous programing languages and Web/Windows- based development technologies.
- Project experience in Web/Windows application development, Machine Learning and Generative AI.

Project Deployment

- Proven success developing software solutions that meet acceptance criteria and scope for entire software development cycle.
- Skilled at gathering technical specifications, analyzing project requirements and development, testing and delivery.

Communication

- Quick learner practiced in cross-functional collaboration and understanding new processes.
- Career history of outstanding team leadership and project coordination.

EDUCATION

Master of Science in Computer Science and Engineering, GPA 4.0
Mississippi State University
Starkville, MS
2018 – 2020

TECHNICAL PROFICIENCIES

Languages: Python, C#, WPF, Java, HTML, CSS, JavaScript, TypeScript

Frameworks & Libraries: .NET Framework, AngularJS, React.js, Spring Boot.

Tools: MySQL, Oracle DB, Pandas, TensorFlow, Keras, Git, GitHub, JIRA

Concepts: Data structures & Algorithms, Machine Learning, OOP Concepts, ML algorithms, Agile, CI/CD.

LEADERSHIP EXPERIENCE

General Secretary, Indian Student Association at Mississippi State University, 2019 - 2020

EXPERIENCE HIGHLIGHTS

Intel Corporation, Chandler, AZ **03/2021 – Present**
Software Development Engineer

Collaborated with the Intel Assembly Test Technology Development ASPIRE (ATTD) team to create software solutions, facilitating efficient simulation of chipset production across 14 global manufacturing sites for improved operational readiness.

3+ years of software engineering expertise in the development of products through the software lifecycle, from requirements definition through successful deployment.

Technical Scope: *AngularJS, React.js, C#, WPF, .NET, Oracle DB, CI/CD, Python, JavaScript, TypeScript, Rest API, Agile Methodology, Jira, GitHub.*

- Designed and implemented 40+ essential features, reducing production simulation time from 28 hours to 2.5 hours, saving 12,000 manual hours each year.
- Built a web application with ETL-based automation to populate over 250 data fields, streamlining the product setup process from 36 hours to 2.5 hours and saving more than 5,000 manual hours annually.
- Led the effort to write over 200+ unit test cases, achieving 94% code coverage, ensuring robust and reliable code quality, with nightly test runs.
- Successfully led the migration of the codebase from TFS to GitHub within 3 weeks, streamlining version control, collaboration, and development.
- Created a reusable GitHub CI/CD pipeline streamlining deployments across 14 Intel sites and adopted by 15+ applications, reducing downtime from 55 minutes to 9 minutes per site and saving 8000 manual hours annually.
- Managed a team of 15 to build a GenAI chatbot using Mistral LLM, trained on internal documentation, to help users with queries and decision-making.
- Coordinated 40+ design sync meetings, uniting cross-functional teams to align designs and development efforts, ensuring smooth and consistent progress.
- Recipient of 4 Department Recognition Awards spanning 2021 to 2024, for consistent excellence.

FedEx Services, Orlando, FL 8/2020 – 11/2020
Full Stack Software Developer Intern

Collaborated within high-performing team, designing, developing, and maintaining organizational web applications with focus on performance and user engagement.
Technical Scope*: AngularJS, Spring Boot, Rest API, Java, Angular Material, Oracle DB, JavaScript, TypeScript, Gradle, Node.*

- Built web application allowing FedEx Business users to make country specific data configuration changes without assistance from IT or RAD in 3 weeks.
- Maximized associate efficiency, increasing support time by 55% and reducing manual work by 70% by implementing new application to alleviate interdepartmental dependencies.

The Institute for Systems Engineering Research, Starkville, MS 1/2019 – 5/2020
Graduate Research Assistant

Collected and analyzed data, conducted extensive research, completed training and testing of Machine Learning module in Python and presented findings to team. *Technical Scope: TensorFlow, Keras, Scikit-learn, Pandas, Python, Plotly, Tableau.*

- Developed a predictive analytics tool to predict the occurrence of vehicle system failures in US Army Ground Terrain Vehicles.
- Oversaw and performed data cleaning, feature engineering, training and testing on ˜2M time series sensor data records, using state-of-the-art
- Convolutional Neural Networks, achieving 94% accuracy of in prediction of vehicle trouble codes.