VENKATA SHIVA PASUPULETI

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Portfolio: https://shiva-portfolio04.netlify.app/

Professional Summary

Driven by a deep-seated passion for technology, I specialize in developing high-performance software solutions that push the boundaries of innovation. With a strong foundation in Python, Java, JavaScript, and React I excel in building robust microservices, optimizing code quality through code reviews, and ensuring seamless project execution through effective cross-team collaboration. My experience extends to cloud technologies and DevOps practices, enabling me to deliver scalable and reliable software. I am eager to use my expertise to create impactful solutions that not only meet but exceed business objectives.

Technical Skills

- **Programming Languages**: Python, Java, JavaScript, C, C++
- **Databases**: MySQL, MongoDB, DynamoDB, Elastic Search, Redis
- **Tools & Technologies**: React, NodeJS, GIT, AWS Lambda, Apache Kafka, Amazon Kinesis, Serverless, Azure
- **Development**: Microservices, REST APIs, DevOps, Unit Testing, System Testing

Work Experience

Software Developer

Delhivery | July 2021 - July 2023

- **Architected and Implemented Microservices:** Led the design and development of scalable microservices, using REST APIs with Python, Kafka, and DynamoDB, significantly improving system performance and reliability.
- **Cross-Functional Collaboration:** Worked closely with product managers, designers, and QA teams to gather requirements, prioritize features, and ensure seamless integration across different platforms, resulting in a 20% reduction in development cycle time.
- **Code Quality Assurance:** Conducted comprehensive code reviews, offering constructive feedback to enhance code quality, maintainability, and adherence to best practices, which contributed to a 30% decrease in post-release defects.
- **Issue Resolution and Optimization:** Diagnosed and resolved complex software defects, optimizing existing features and introducing new functionalities that boosted overall system efficiency by 15%.

Software Developer Intern

Delhivery | April 2021 - June 2021

- **Cloud Technology Training:** Acquired hands-on experience with AWS Lambda, Serverless architecture, and Azure, along with advanced tools like Elastic Search and Redis, enhancing my capability to develop cloud-based solutions.
- **Application Development:** Contributed to the development and maintenance of critical software applications, collaborating with senior developers to implement new features.
- **Quality Assurance:** Played a key role in the software testing lifecycle, developing and executing unit tests, and performing comprehensive system testing to ensure the highest standards of software quality were met, reducing bug occurrence by 25%.

Education

Masters in Advance Computer Science

University of Liverpool | 2023 - 2024

Bachelor of Science in Computer Science

B V Raju Institute of Technology | 2017 - 2021
CGPA: 9.59

Projects

Responsive Bookstore Web Application

- **Overview:** Designed and developed a fully responsive bookstore web application that allows users to discover and purchase books, featuring secure user authentication for accessing premium content.
- **Technologies Used:** MongoDB, Express.js, React, Node.js, Tailwind CSS

Face Recognition Attendance System

- **Overview:** Developed an intelligent application that automates student attendance by utilizing face recognition through a webcam, ensuring accurate and efficient record-keeping.
- **Technologies Used:** OpenCV, Image Processing, Machine Learning

Text Summarizer

- **Overview:** Developed an application capable of summarizing lengthy texts according to user-defined criteria, using advanced Natural Language Processing (NLP) techniques.
- **Technologies Used:** NLP, Beautiful Soup, Machine Learning

Soft Skills

- **Leadership**: Spearheaded multiple technical events during my undergrad fest, Promethean-2k19, successfully managing teams and resources to enhance participation and engagement.
- **Time Management**: Currently pursuing a master's in advance computer science while managing a part-time job. Efficiently balancing coursework, assignments, and professional responsibilities, consistently meeting deadlines and maintaining high academic performance independently.
- **Problem -Solving & Teamwork**: Addressed complex software issues at Delhivery by implementing streamlined solutions and maintaining strong team collaboration, resulting in quicker resolutions and improved system efficiency.

Languages Known

English, Hindi, Telugu

Hobbies

- Blogging: Enjoy sharing insights and experiences on various subjects.
- Cooking: Passionate about experimenting with flavors and techniques.
- Cricket: Enthusiast, leveraging the sport for teamwork and strategic thinking.

References

Available upon request.