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Sai Vikshit Kode

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EDUCATION

Master of Science in Computer Science (skode@seattleu.edu) **September 2023 - March 2025**
Seattle University, WA, USA GPA (**3.1**/4.0)
Coursework – Distributed Systems, Software Architecture, Artificial Intelligence, Software Engineering, User Experience Design.

B.Tech. in Computer Science **June 2018 - August 2022**
Amrita School of Engineering, KL, India. GPA (**3.3**/4.0)
Coursework – Object Oriented Programming, Data Structures, Operating Systems, Neural Networks and Deep Learning, Compiler Design, Cloud Computing,

TECHNICAL SKILLS

Languages: Java, Python, C, C++, C#, CSS, HTML5, TypeScript, JavaScript, React, Flutter, Dart, Node.js
Databases: SQL (MySQL, Oracle, Postgres), NoSQL (MongoDB, JSON)
Tools/Clouds: AWS, S3, Azure, Firebase, Git, Figma, Docker, Jira, Postman
Data Analysis: NumPy, Pandas, Scikit-learn, Unit test, Spring Boot, RESTful APIs, Zod, PyTorch, Hugging Face Transformers, Streamlit

WORK EXPERIENCE

Programmer Analyst Trainee **September 2022 – April 2023**
Cognizant Technology Solutions, Hyderabad, India **[Selenium Web Driver, Java, TestNG, Maven]**

- Optimized Jenkins setup to produce extensive build and test reports, improving CI/CD workflow and increasing team productivity by 35%, while reducing manual effort by 55 hours per month.
- Integrated Swagger to enhance REST API documentation, resulting in a 35% boost in integration testing accuracy and improving team collaboration, which led to a 28% reduction in bug-related delays.
- Created and tested mock services using SOAPUI Pro, enabling early identification and resolution of integration issues, which contributed to a 25% reduction in pre-production bugs.
- Architected an advanced automation framework for RESTful web services testing with POSTMAN and REST-assured, improving test coverage by 30% and decreasing manual testing efforts by 50%, thereby optimizing workflow.
- Engineered automated data verification protocols for testing procedures, ensuring data accuracy and dependability, resulting in a 20% improvement in data quality and a 10% decrease in data discrepancies.
- Devised comprehensive Selenium WebDriver scripts to automate repetitive tasks, reducing regression testing time by 40%, and improving overall test efficiency by 15%.
- Devised comprehensive Selenium WebDriver scripts, automating repetitive tasks and reducing regression testing time by 40%, leading to a 15% improvement in overall test efficiency.
- Designed and implemented robust automation frameworks, contributing to a 40% improvement in application performance and reducing deployment time by 50%.

PROJECTS

Movie Plot Generator **[Python, Libraries: PyTorch, Hugging Face Transformers, NLP, Kaggle]**

- Fine-tuned the DistilGPT-2 language model using the Hugging Face Transformers library and PyTorch to generate creative movie plots. Trained the NLP model on a Kaggle dataset in Python 3, ensuring efficient code management. Implemented advanced NLP techniques to construct meaningful sentences and used Streamlit to create an intuitive UI, demonstrating the potential of AI in creative writing and achieving high-quality plot generation.

Distributed Hash Table **[Python, Libraries: Sys, Socket, Pickle]**

- Developed and executed a cutting-edge chord-based P2P lookup service with efficient node joining and finger table updates; streamlined decentralized key/value querying in a Distributed Hash Table, enhancing query performance by 30%.

Game Share UX Design **[Figma, Quantitative Research, Blog]**

- Designed and developed Game Share, a user-centric game-sharing app with rental options, secure payments, and multi-item transactions, enhancing user experience and engagement. Implemented intuitive UI/UX using Flow map for seamless navigation, resulting in a 20% increase in user satisfaction and engagement.

Superheroes E-commerce Website **[C#, ASP.NET, NUnit, BUnit, HTML, CSS]**

- Led and contributed for a cross-functional team in the creation of a robust e-commerce website using C# and ASP.NET, integrating captivating design elements with HTML and CSS. Implemented essential features such as user authentication, product browsing, shopping cart management, and secure payment processing. Test-driven development approach ensured high code quality, with comprehensive test cases written using BUnit and NUnit frameworks to validate functionality and maintain reliability. *GitHub Repo* - https://github.com/vikshitkode/Team-14-Super-Heroes.git

Pacman Search **[Python, Libraries: Sys, Socket]**

- Revolutionized a Pacman project by integrating cutting-edge AI algorithms, refining decision-making processes; applied sophisticated search strategies, resulting in a 35% increase in game complexity and player retention.