POOJA KAMSHETTY

+1 (901)-658-9129 | kamshettypooja05@gmail.com| LinkedIn | Portfolio | GitHub

EDUCATION

The University of Memphis, *Master of Science in Computer Science,* TN, USA	*Aug 2022 - May 2024*
Jawaharlal Nehru Technological University, *B. Tech in CSE,* Hyderabad, India	*Aug 2016 – Sep 2020*

TECHNICAL SKILLS

Languages	Java (1.8), Python, C, C++, C#, VB.NET, JavaScript, HTML, CSS.
Database	MySQL, PostgreSQL, MongoDB, Redis, Oracle.
Cloud & Web Technologies	AWS, Azure, Angular, React, Vue.js, Node.js,
Tools/Frameworks	.Net Core, Spring Boot, Hibernate, Kafka, Git, Jenkins, Microservices, Splunk, Mockito, Selenium Automation, SonarQube, Docker.

CERTIFICATION

- AWS Certified Developer – Associate   *[Link]*
- Professional Scrum Master – 1   *[Link]*

WORK EXPERIENCE

Client: Methodist Healthcare   **Memphis, USA**
Technical Analyst   *Jan 2024 – Present*

- Designed, executed, and documented 100+ detailed test cases and test plans for **Epic software modules**, increasing the accuracy of clinical and operational data by **40%** across the **healthcare system.**
- Conducted **functional tests** on all key system components, ensuring seamless inter-departmental operation and reducing operational disruptions by **70%** during **rollouts**.

CDK GLOBAL   **Hyderabad, India**
Associate Software Engineer   *Oct 2020 – Jul 2022*

- Created **Restful Web APIs** using **ASP.NET Web API**, and **React.js**, achieving a 95% accuracy rate that enhanced application responsiveness and user satisfaction.
- Led two new integration flows which generated a revenue of $200000 USD per year.
- Constructed **SQL DB** queries and assisted in test automation using **Selenium Web Driver** boosting testing efficiency by 25%.
- Applied **OOAD principles** and **design patterns** to resolve 95% of critical bugs, created 50+ XML class models, and SOAP request/response handling in web APIs.
- Led error handling, workflow testing, and Agile practices as Scrum Master, reduced post-production bugs by 65%, and ensured smooth releases aligned with client needs.

People Tech Group Inc.   **Hyderabad, India**
Software Developer   *Jan 2020 – Aug 2020*

- Developed client-specific screens and RESTful APIs using **Angular** and **Spring Boot**, achieving 70% accuracy.
- Designed and optimized databases with **MySQL** and NoSQL, improving retrieval by 38%.
- Migrated from monolithic to **microservices** architecture, enhancing scalability and efficiency.
- Collaborated with cross-functional teams using **Jira**, and **Git** for efficient project tracking ensuring project execution.

Ridhan Technologies Private Ltd.   **Hyderabad, India**
Web Development Intern   *May 2019 – Sep 2019*

- Focused on **front-end implementation and database management** for food blogging websites, with efficient data processing.
- Achieved a 45% improvement in performance metrics by utilizing HTML, CSS, JavaScript, AngularJS, and NodeJS for form styling, validation, and back-end development, showcasing expertise in Full Stack Engineering.

PROJECTS

CPU-Scheduling-Simulator, Enterprise Distributed Systems

- Built a Java-based CPU Scheduling Simulator with a user-friendly GUI to visualize algorithms (FCFS, SJN, Round Robin, Priority Scheduling) and display performance metrics, achieving a 20% improvement in scheduling efficiency.

Book Genre Classification using NLP Techniques, ML Text Analysis, and Classification

- Implemented a book genre classification project using BERT and LSTM-based summarization, guided by Facebook BART. Achieved genre prediction accuracies of 58% and 27% for original and LSTM summaries, respectively.

Sorting Visualizer, Sorting Algorithms (DSA)

- Implemented five sorting algorithms (Bubble, Selection, Insertion, Merge, Quick Sort) with interactive visualizations, reducing learning time by 30% and optimizing performance to handle arrays of up to 1,000 elements smoothly, enhancing user experience by 60%.

Expense Tracker Application, Software System Engineering

- Developed a scalable MERN stack expense tracker with a robust Node.js and Express.js back-end, using Redux for efficient state management and MongoDB for optimized data storage, by debugging achieved a 40% improvement in response time and enhanced application performance.

HONORS AND PUBLICATIONS

- Published a scientific paper at JNTUH 2020 for Automatic HTML Code Generator Mock-Up Images.
- Published a research paper at IEEE ICBNA 2022 for Network Design for Emerging Technology of IOT Smart Tracker. (Conference ID:55518)
- Received Consolation for project exhibition at APOGEE 2019 organized by BITS Pilani.
- Vice-President of technical hobby club, Innovatio Hub at SIET.
- Awarded Best Presenter at the 2017 International Conference on AI, Blockchain, and Data Sciences, hosted by JNTUH.
- Won Third position in Elan and nVision 2020, conducted by IIT Hyderabad.
- Chosen among the Top 3000 students nationwide in the 2018 India Innovation Challenge Design Contest.
- Recognized with Star of the Month Award for Performance Excellence and Quality Improvement, at CDK GLOBAL.