KRISHA MEHTA

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EDUCATION

M.S. in Computer Science | Indiana University Bloomington, USA Aug 2022-May 2024
Software Engineering, Applied Algorithms, Security for Network Systems, Applied Machine Learning, DB Design GPA: 3.8
B.Tech. in Information Technology | K.J. Somaiya College of Engineering, India Aug 2018-May 2022
Database Systems, DevOps, Data Structures, Cloud Computing, Blockchain GPA: 3.5

SKILLS

Languages: Python, Java, PHP, TypeScript, HTML5, CSS3, JavaScript, C++, C#, C, Go, Kotlin
Web Technologies: Drupal, React, Angular, Ruby on Rails, Flask, Vue, Django, Next.js, .NET, Node.js, Spring Boot, WordPress, GraphQL
Databases: MySQL, MongoDB, PostgreSQL, SQL Server, NoSQL
Tools: GitHub, Git, Postman, Figma, VS Code, JIRA, Apache, Selenium, Adobe Photoshop, JMeter, MS Excel, Adobe XD
Other Technologies: Docker, AWS (EC2, S3), Ansible, Azure, CI/CD, Bash, Linux/Unix, DevOps, Netsuite, Scikit-Learn, PyTorch, SAP

PROFESSIONAL EXPERIENCE

Web Developer Intern | FMC Corporation | Philadelphia, USA Jun 2023- Aug 2023
- Developed websites with **React and Django,** hosted sites, and generated multi-dev environments on **Pantheon** using **Terminus** commands, achieving an average page load time improvement of 25%.
- Led the execution of test cases with **Java**, **Selenium, and Postman** achieving a 35% increase in test efficiency.
- Collaborated with stakeholders to identify and resolve defects, using communication and testing tools, including **SAP Solution Manager** resulting in a 12% decrease in post-release bugs.

Graduate Associate Instructor | Indiana University Bloomington | Bloomington, Indiana Jan 2023- May 2024
- Guided and mentored a class of more than 250 students in **Software Engineering and DevOps** courses, offering expertise in coding, code review, debugging, testing, and deployment, utilizing Agile development methodologies within the SDLC model.
- Assisted the students in learning different frameworks and tools like **Docker, Spring Boot, ReactJS, NodeJS, and MongoDB,** resulting in a 30% improvement in project completion rates.

Software Engineer Intern | Bazaar 24*7 Mcommerce | Mumbai, India Feb 2022- May 2022
- Enhanced UI/UX for an e-commerce website using **ReactJS and Next.js**, integrated backend functionality with **Ruby and REST API**, and hosted the application on AWS, boosting user engagement by 25%.
- Implemented **CI/CD** pipelines with **Jenkins, GitLab CI, and Azure DevOps**, reducing deployment time by 15%.
- Automated configuration management using Ansible and Azure with Python scripting, utilizing PowerShell for environment setup, resulting in 30% improvement in deployment consistency and reliability.

Full Stack Engineer Intern | T3 Softwares | Mumbai, India Jun 2021- Nov 2021
- Devised a grocery-based PWA, managed Jira boards, and used Agile methodologies, increasing user accessibility by 18%.
- Refined user interaction by making the app work offline using service workers and other web-platform features, integrating **MS SQL Server** database, and **Docker** for containerized deployment, leading to a 20% decrease in user-reported access issues.
- Launched the application on Linux servers to ensure stability, and automated test processes, improving system reliability by 20%.
- Created cart, recommendation, and filter pages using **HTML5, CSS3, jQuery, and PHP**, enhancing user experience and functionality.

ACADEMIC PROJECTS

Home Credit Default Risk Aug 2023 - Dec 2023
- Orchestrated Exploratory Data Analysis utilizing **Pandas**, **NumPy**, **Matplotlib, and Seaborn** of over 5 million records.
- Engineered scalable data processing pipelines using **Azure Databricks** and **Apache NiFi**; achieved a 40% reduction in processing time for large datasets, enhancing overall data accessibility for analytics teams.
- Developed machine learning models for credit default classification using Decision Trees and Random Forests with **Scikit-learn**.

Travel Application Aug 2022 - Dec 2022
- Mentored a team to deploy an application displaying the project list using **C#, and .NET**, improving product reliability by 20%.
- Optimized front-end performance with lazy loading techniques for efficient data handling of millions of data points.

College Website Jan 2021 - May 2021
- Pioneered a learning management system with various functionalities including a chatbot and a recommendations page using **WordPress** and conducted **SEO** using **Google Analytics** leading to a 40% increase in site traffic.
- Designed a website enhancing customer satisfaction and increasing student registrations by 30% through seamless enrolment.

CERTIFICATIONS

- Achieved an **AWS Certified Cloud Practitioner** certification, demonstrating a complete understanding of AWS Cloud concepts.