Manan kumar Thakkar

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SUMMARY

I'm a dynamic and results-oriented computer science professional with extensive experience in full-stack development, actively seeking full-time opportunities starting immediately. Proficient in a wide range of languages, frameworks, and development tools, I have a proven track record of driving efficiency and innovation in software engineering projects.

EDUCATION

George Mason University – Fairfax, VA   Aug 2021 – May 2023
Master of Science (MS) in Computer Science

University of Mumbai - India   Aug 2016 – Nov 2020
Bachelor of Engineering (BE) in Computer Engineering

TECHNICAL SKILLS

Certification	**AWS Solution Architect Associate Certified** (Validation no: PTZD19XCS2F412GS)
Languages	Python, Java, JavaScript, C, C++, TypeScript, Ruby
Front-End tools	HTML5, CSS, React, Tailwind CSS, Figma
Frameworks	Node.js, GraphQL, Angular, Spring Boot, jQuery, Ruby on Rails, Django, Flask, Bootstrap, PHP, Ajax, React Native
Dev Tools	GitHub, Git, Jenkins, Agile, AWS, GCP, Docker, Kubernetes, Postman
Database	SQL, NoSQL (MongoDB / Redis)

WORK EXPERIENCE

Research Assistant, George Mason University – Fairfax, VA   Aug 2023 – Present
- Manage infrastructure resources using Terraform and apply TensorFlow and Python for deep learning models in image recognition within AI research projects.
- Conduct literature reviews, analyze data, and execute experiments to support ongoing research.
- Exhibit analytical prowess, demonstrate expertise in ChatGPT, and stay abreast of AI advancements through active engagement in academic events.

Test Automation Development Co-op, NOKIA – Fairfax, VA   Sep 2022 – May 2023
- Created automated test suites with Python scripts, resulting in a 50% decrease in manual testing time.
- Utilized Jenkins for automating build processes, Git for version control, and JIRA for issue tracking, effectively identifying and resolving system flaws, thereby enhancing software quality and expediting delivery in an Agile/Scrum environment.
- Engaged in cross-functional collaboration to integrate testing seamlessly into Agile development, ensuring comprehensive SDLC test coverage.
- Elevated overall product quality and customer satisfaction through effective collaboration with a diverse team.

Graduate Teaching Assistant, George Mason University – Fairfax, VA   Aug 2022 – Dec 2022
- Developed and assessed lab assignments for the Ethics and Law for Computer Professionals course, benefiting over 50 students by enhancing their comprehension through comprehensive guidance.
- Remained current with industry trends via ongoing research, ensuring up-to-date expertise in the field and fostered student learning through interactive teaching techniques, promoting a thorough grasp of course material.

Full Stack Developer, Let It Wag – Mumbai, India   Jun 2019 – May 2020
- Conceived and built a real-time application to unite stakeholders in animal welfare, leading to the rescue of over 4000 animals and serving a user base of 13K+.
- Engineered Flask backend APIs to facilitate seamless communication between the mobile app and server infrastructure.
- Partnered with cross-functional teams to ensure smooth UI/UX design integration, incorporating APIs using React and Tailwind CSS to enhance user engagement and client satisfaction.

ACADEMIC PROJECTS

Cloud-native Application Development Projects   May 2022 – Dec 2022
Amazon Web Services | Java, Spring Framework, AWS EC2, AWS S3, AWS RDS MySQL, Docker, Kubernetes, Angular, CSS3, Jenkins, SoapUI
- Developed an Angular application with RESTful Web Services, JPA/Hibernate, and Amazon RDS/MySQL to enhance user experience and streamline data management processes.
- Containerized the application using Docker Technology and deployed it on Kubernetes, reducing deployment time by 30% and improving data manipulation processes by 20%.

Google Cloud Platform | ASP.NET Core MVC, Entity Framework, GitHub, Kubernetes, Jenkins, Rancher, GCP
- Created a responsive single-page application using TypeScript, React, Node.js, and Tailwind CSS for improved user experience.
- Containerized the web application on Google Kubernetes Engine (GKE) to ensure scalability and resiliency.
- Implemented a CI/CD pipeline with Git (GitHub) and Jenkins, reducing deployment time by 40% and ensuring efficient production support.

Telecom Churn Analysis Project | Python, Data Mining, Machine Learning, Regression   Feb 2022 – Apr 2022
- Created a predictive model for telecom churn by analyzing data, generating new features, and addressing class imbalance using the Synthetic Minority Oversampling Technique (SMOTE).
- Implemented Decision Tree classifier and logistic regression, fine-tuning their parameters to identify significant factors and achieved testing accuracies of 91.77% and 75.18%, respectively.

Personal Website and Portfolio Webpage
- Designed and developed a clean and simple personal website and portfolio webpage using HTML, CSS, JavaScript, PHP, Bootstrap, and jQuery, hosted on GitHub Pages. Integrated George Mason University color scheme for cohesive branding. Additionally, created a portfolio webpage to showcase assignments. Link: Personal Portfolio | George Mason University Portfolio

Fun Fact: I'm a fitness enthusiast who is kind and enjoys learning new things.