KEERTHI RAMIREDDY

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PROFESSIONAL SUMMARY :

Full Stack Web Developer with over 2 years of experience in designing and implementing responsive web applications. Proficient in both front-end and back-end technologies, currently pursuing a Master's in Computer Science and serving as a Graduate Teaching Assistant.

EDUCATION :

Master of Science in Computer Science, *George Mason University, VA, USA* (GPA:4.0/4.0)   *Aug 2023 – May 2025*

Bachelor's in Computer Science Engineering, *VNR Vignana Jyothi Institute of Engineering and Technology, India* (GPA:3.8/4.0)   *Jul 2017 - Jun 2021*

SKILLS:

- **Programming languages :** C, C#, CPP, JAVA, PYTHON.
- **Databases :** MYSQL, SQL SERVER, POSTGRESQL, MONGODB(basics).
- **Web Technologies :** html5, css, javascript, bootstrap, angular, django, react, nodejs, ajax, apis, REST.
- **Frameworks :** .NET, SPRINGBOOT, GATSBY
- **Cloud and Automation :** aws, azure, gcp, azure devops, terraform, ansible, flux, git, helm, rancher, docker, kubernetes, groovy.
- **Operating Systems :** LINUX (basics), Windows

WORK EXPERIENCE :

❖ **Graduate Teaching Assistant (GTA), George Mason University, VA**   *Aug 2024 - Present*

- Developed Python-based auto-grading scripts for Gradescope, reducing assignment grading time by 40% and improving grading accuracy. Collaborated with faculty to ensure precise grading criteria, enhancing system reliability and efficiency.

❖ **Team Buliding Facilitator, EDGE (Recreation Department), George Mason University, VA**   *Aug 2023 - Aug 2024*

- Facilitated group discussions, reflections, and debriefs to enhance the overall experience. Proactively took the lead in decision-making, demonstrating initiative and confidence.

❖ **Software Engineer I ,NCR VOYIX , Hyderabad, India**   *Aug 2021 - Aug 2023*

- Contributed to the Advance Marketing Solutions product, optimizing promotional programs and increasing customer engagement by 20% by leveraging customer preferences using .NET.
- Implemented LDAP and Microsoft Authentication, enhancing security and reducing authentication-related support requests by 30%.
- Led architecture transformation from single-tenant to multi-tenant, increasing scalability by 50% and reducing infrastructure costs by 20%.
- Optimized .NET UI with lazy loading and efficient queries, reducing load times by 40% and enhancing performance for large datasets.
- Developed and optimized a user-friendly UI feature in .NET, enhancing the application's accessibility and user experience. Streamlined the interface, which led to a 15% increase in user engagement and reduced navigation time.
- Migrated application from .NET Framework to .NET Core, improving performance by 40% and reducing deployment time by 25%.

❖ **Software Engineer Intern , NCR VOYIX, Hyderabad, India**   *Feb 2021 - Aug 2021*

- Developed CI/CD automation pipelines and maintained cloud-hosted DIT and SIT environments using Azure and GCP, accelerating deployment speed by 35%, leveraging Terraform, ARM templates, Ansible, Flux, and Azure DevOps for service deployment, resulting in a 30% reduction in manual intervention.
- Fixed Coverity issues on legacy code, enhancing code quality and increasing Coverity coverage from 70% to 85% in .NET.

PROJECTS :

- **Appetite Crush :** Built Appetite Crush(**code**) , a MEAN stack web application, utilizing **Angular** for the front-end and **Node.js**, **Express**, and **MongoDB** for the back-end. Implemented RESTful APIs to serve a variety of recipes based on user preferences, enhancing the overall user experience.
- **Turing Hut :** Developed the Turing Hut(**code**) website, a platform for a college programming club, using **React JS** and **Gatsby**. The site includes pages for events, articles, team details, and more, providing a comprehensive resource for club activities.
- Created a static portfolio website and hosted on AWS using s3 and ec2 keerthiportfoliodev.s3-website-us-east-1.amazonaws.com/

ACHIEVEMENTS :

- Received a cheer for peer award in NCR VOYIX for taking ownership of developing an automatic version update system for all components, enhancing development tracking and customer status visibility.
- Reduced provisioning time by 30% during an office hackathon by automating infrastructure deployment using Terraform and ARM templates, resulting in faster service deployments.
- Increased event participation in the Turing Hut programming club by 25% after launching the React JS and Gatsby-based website, providing an improved user experience for club activities and contests.