Nikhil Vemula

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SUMMARY

Results-driven Master's in Computer Science graduate with 4 years of hands-on experience in software development. Eager to leverage my expertise in cutting-edge technology joining renowned company which is at the forefront of solving complex customer challenges.

WORK EXPERIENCE

Research Member, Indiana University   Aug 2023 – Dec 2023

- Collaborating with a team of 15 members to integrate Knowledge Graphs with Large Language Models(LLM) to reduce hallucinations.
- We are working on constructing a domain specific Knowledge Graph from both structured and unstructured data, like text, image, audio etc.

Sr Software Engineer, ServiceNow   Mar 2022 – Jul 2022

- Enhanced the website loading performance by 80 percent through troubleshooting and identification of non-performant code.
- Addressed 10% of the priority issues assigned to our business organization by promptly delivering fixes or workarounds to customers in production.

Application Developer, ServiceNow   Mar 2020 – Feb 2022

- Worked as a lead developer to engineer an org-chart feature with lightning-fast loading speed of under 2 seconds, successfully scaling it for a million users.
- Collaborated in developing backend APIs, to construct a hierarchical taxonomy feature.
- Led a team in building a robust, large-scale integration app with Microsoft SharePoint, employing throttling, retries, and AI Search for seamless functionality and intelligent document searchability.

Associate Software Engineer, ServiceNow   Jun 2018 – Feb 2020

- Achieved significant cost savings averaging $10,000 by adopting an open-source PDF library to seamlessly implement form filling capabilities in APIs.
- Improved code coverage by 5% through close collaboration with quality engineers, actively identifying and developing end-to-end automation tests.
- Implemented static analyzer tool to help the team to identify code smells before it reaches the codebase.

EDUCATION

Master's in Computer Science   Aug 2022 - May 2024
Indiana University, Bloomington   CGPA: 3.767/4
Applied Algorithms, Elements of Artificial Intelligence, Advanced database concepts, Applied machine learning, Advanced operating systems

B.E in Computer Science Engineering   Sep 2014 - Jun 2018
Chaitanya Bharathi Institute of Technology, India   CGPA: 8.22/10
Introduction to programming, Database systems, Operating systems, Embedded systems, Object orented programming, Software engineering

SOFT SKILLS

- Growth Mindset: Embraced complex projects outside of my comfort zone, learning new programming languages and frameworks and contribute effectively to the team.
- Creativity: Developed innovative features, resulting in positive user feedback and increased customer satisfaction.
- Focus Mastery: Maintained concentration on challenging tasks, such as debugging complex issues, resulting in quick resolutions and minimizing downtime.
- Innovation: Introduced and implemented automated testing frameworks that improved the efficiency and accuracy of the testing process, reducing overall development time.
- Storytelling: Effectively communicated technical concepts and project progress to non-technical stakeholders, enabling them to understand and support the development process.

TECHNICAL SKILLS

- Chatgpt, Machine learning, Artificial Intelligence
- **Programming languages**: Javascript, NodeJS, Java, Python, Go, SQL, Bash
- **Web technologies**: AngulasJS, React, VueJs, Flask
- **Database technologies**: MySql, PostgreSQL, MongoDB, Neo4j
- **Tools**: GIT, Docker