

# Nikhil Vemula

☎ 425-543-5004 ✉ [vsrinivasanikhil@gmail.com](mailto:vsrinivasanikhil@gmail.com) 🔗 [linkedin.com/in/srinivasanikhil](https://www.linkedin.com/in/srinivasanikhil) 🐙 [github.com/nikhil-vemula](https://github.com/nikhil-vemula)

## 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 – Current

- 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 oriented 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:** AngularJS, React, VueJs, Flask
- **Database technologies:** MySQL, PostgreSQL, MongoDB, Neo4j
- **Tools:** GIT, Docker