Adarsh Joshi

Neelam Vihar Colony, Clement Town

Dehradun, Uttarakhand, 248002

adarshjoshi2018633@gmail.com

(+91) 7302115421

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Hiring Manager

Microsoft

Dear Hiring Manager,

I am excited to apply for the Software Engineer Internship at Microsoft. With a strong foundation in computer science and a passion for developing innovative software solutions, I am eager to contribute to Microsoft’s mission of empowering every person and organization on the planet to achieve more.

As a Website Developer and Manager Intern at HP Realty in New York, I developed and managed a comprehensive website that increased visibility by 40% and boosted traffic by 30% within three months. This role enhanced my problem-solving abilities, honed my skills in advanced data structures and algorithms, and provided me with experience in delivering production-quality code.

In addition to my professional experience, I have worked on several impactful projects. I developed a \*\*movie recommender system\*\* using Python, streamlit, and the TMDB API, where I implemented the bag-of-words NLP technique for vectorizing movie data and visualized the results using streamlit. This project allowed me to deepen my understanding of data analysis and visualization.

I also engineered an \*\*AI-based mental health therapist chatbot\*\* using Python, TensorFlow, and Keras. By implementing a sequence-to-sequence model to encode user input and an LSTM to decode it, I created a platform that increased user engagement by 45%. This project underscored the importance of creating user-centric applications that can have a positive impact on individuals' lives.

Furthermore, I developed \*\*LogicNest\*\*, a full-stack web application using JavaScript, MongoDB, React, Express, and Node.js, which allows users to fetch, find, and like GitHub repositories. I utilized passport.js for user authorization and implemented GitHub OAuth for fetching user repositories. This project showcased my ability to integrate multiple technologies to create a seamless user experience.

Additionally, I built \*\*groShoppe\*\*, a full-stack web application using React, Node.js, MongoDB, Express, and Bootstrap, to enable users to buy and sell surplus grocery items online. This project reinforced my skills in full-stack development and user authorization using passport.js.

My academic journey in computer science, combined with these hands-on projects, has equipped me with a robust technical skill set. I am proficient in programming languages such as Java, Python, and SQL, and have a solid understanding of advanced data structures, algorithms, and complex SQL queries.

At Microsoft, I am eager to apply my engineering principles to solve complex problems and create innovative software solutions. I am committed to learning and adopting new technologies, tools, methods, and processes to enhance my solutions. I look forward to collaborating with Technical Program Managers and Product Managers to understand user needs and product requirements, ensuring the delivery of high-quality products.

Microsoft's emphasis on a growth mindset, innovation, and collaboration aligns perfectly with my values. I am particularly inspired by Microsoft’s culture of respect, integrity, and accountability, and I am excited about the opportunity to work in an inclusive environment where I can thrive and contribute to meaningful projects.

Thank you for considering my application. I am enthusiastic about the possibility of discussing how my background, skills, and aspirations align with the goals of Microsoft. I look forward to the journey ahead and the chance to bring my ideas to life at Microsoft.

Sincerely,

Adarsh Joshi