

Jayesh Parsnani - Software Developer

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Dear Hiring Manager,

I am excited to apply for the Software Developer role at your respective organization and I am confident that my qualifications and experience make me a strong candidate for the position. I came across this opportunity on the company career website and was immediately drawn to the company's mission and values.

As a recent graduate with a Master of Science in Computer Science from The University of Texas at Arlington and a Bachelor of Engineering in Information Technology from Vivekanand Education Society's Institute of Technology in Mumbai, I possess a solid foundation in programming languages such as Python, C, and R. I am also proficient in a variety of tools and frameworks such as Flask, PHP, TensorFlow, and Tableau, as well as cloud and database technologies such as AWS, Azure, and MySQL.

I have gained valuable experience in my previous roles, including my most recent position as a Graduate Teaching Assistant at The University of Texas at Arlington, where I assisted the Data Mining professor in overseeing a class of 38 students. I helped students resolve their questions regarding their assignments and coursework, which helped them score better in their assignments and exams. Additionally, as a Graduate Research Assistant at Raid Labs, I coordinated with a team of 2 and a Ph.D. professor on an AI technology project funded by NSF. I refined a deep learning object detection model that can detect pill confirmation with an accuracy ranging between 80 to 95% and published a research paper in the International Supply Chain Technology Journal detailing the successful development of the deep learning model.

My skills and experience have equipped me with the ability to design and develop innovative solutions, as demonstrated through my academic projects. For example, I designed a web application using Python and Flask Framework that allows users to fetch 10000+ data from Azure Database using SQL queries and view earthquake data from the last 30 days, search for earthquakes within a specific magnitude range, locate earthquakes within their current radius. I also developed a K-means algorithm to generate diet plans based on an individual's health information, which has a 93% accuracy rate and delivered the plans in 30 seconds, faster than the previous algorithm BIRCH, which took approximately 6 minutes to do the same task.

I am passionate about leveraging my skills and knowledge to develop solutions that make a positive impact on society. I am confident that my experience, skills, and passion make me a strong candidate for the position, and I look forward to discussing my qualifications further with you.

Thank you for considering my application.

Sincerely,
Jayesh Parsnani