

ABHILASHA LODHA

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It is with great enthusiasm that I am applying for this **Internship opportunity**. Data Science and AI have been my passion ever since I was introduced to them during my undergraduate years at Delhi Technological University (DTU). Now as an MS in Computer Science student at the prestigious University of Massachusetts Amherst, I am eager to build efficient AI models for high-tech industries. With my technical expertise, research abilities, leadership skills, and interest in service, I believe I could be a strong candidate for this position.

My work included developments in AI and computing, and deploying solutions to the cloud. I have spearheaded several AI projects for diverse clients from sectors like healthcare, geomatics, finance, and retail during my work experience at **Accenture and EXL**. While I feel satisfied seeing how AI improves people's lives, I am also conscious of building ethical AI systems to prevent existential risks for humanity and help humankind flourish.

I strongly cherished a desire to publish my work and with diligent persistence, two of my papers were accepted at the **CCVPR 2021 conference** and got published by **Springer**. In my [first co-authored paper](#), I articulated ideas on segmenting non-restricted areas out of empty floor spaces and generating recommendations for balcony garden design systems using computer vision techniques. [My second paper](#) offered an end-to-end solution for borderless table detection and data extraction from scanned input documents using a custom-trained deep-learning model.

My interest in AI goes beyond my professional boundaries and fuels my participation and engagement in various other intellectual proceedings. In **Accenture's Global AI Hackathon**, I presented an IVR-enabled chatbot using AI that can help people in addressing civil complaints on potholes, garbage accumulation, power outages, etc. to respective government authorities. Additionally, in AI.NXT, a **National-level AI competition** at Accenture, I devised a solution on geospatial AI that can derive insights on urbanization growth and changes in natural resources using satellite images and computer vision. I secured the first position in both competitions and also got special recognition from the Accenture Leadership Team for my efforts.

Besides research, I also foster a passion for teaching the underserved. I have taken several sessions on Python and Adobe Photoshop for High School students under my **tech start-up 'Design Dockyard'** wherein I provided design services besides developing web applications. By serving 50+ international clients, I gained real-time exposure in enhancing my collaborative engagements besides imparting valuable technical skills to deserving and needy students.

With this internship opportunity, I would get the opportunity to work on technical projects with industry mentors. So with their mentorship and feedback, I would be able to bridge the gap between what I am learning in school to how I'll actually apply that in the real world using state-of-the-art methods, which would be a great learning experience for my career growth. This would, in turn, enable me to leverage AI for the greater good and utilize the best of the diverse ways of thinking for the betterment of the world.

Thank you for your time and consideration.

Best Regards,
Abhilasha Lodha