

# SARAH TASNIM DIYA

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## JOB REFERENCE: SOFTWARE ENGINEERING INTERN (AI/ML)

Dear Cloudly Hiring Team,

I am writing to express my formal interest in the Software Engineering Intern (AI/ML) position at Cloudly. I am a Computer Science graduate from Daffodil International University with a strong academic foundation and research-oriented experience in artificial intelligence, machine learning, and deep learning. I am highly motivated to apply my technical knowledge while gaining hands-on exposure to industry-level AI/ML software development.

Throughout my academic and research work, I have developed a solid understanding of machine learning, deep learning, and basic natural language processing concepts. I have practical experience using Python along with AI/ML libraries such as TensorFlow, Keras, PyTorch, and Scikit-learn. My work has involved data collection, cleaning, preprocessing, augmentation, exploratory data analysis, model development, performance evaluation, and technical documentation. A notable research project of mine focused on facial emotion recognition and genuine emotion detection using deep learning architectures, where I emphasized reproducibility and ethical research practices.

I am particularly drawn to this internship due to Cloudly's focus on end-to-end AI/ML development, the application of the Software Development Life Cycle (SDLC) to AI systems, and exposure to MLOps workflows. I am eager to learn how AI models are transitioned from research and development to deployment and monitoring in real-world environments, while working collaboratively within agile, multidisciplinary teams.

I consider myself a disciplined, analytical, and detail-oriented individual with strong communication and teamwork skills. I am confident that this internship will allow me to grow as a software engineer specializing in AI/ML while enabling me to contribute meaningfully to Cloudly's innovative projects and global client solutions.

Thank you for your time and consideration. I would welcome the opportunity to discuss my application further.

Yours sincerely,

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