

Eesha Shetty

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EDUCATION

Carnegie Mellon University | Pittsburgh, PA | **GPA: 3.96/4**

May 2024

Master of Science (MS), Artificial Intelligence and Innovation

- **Selected Coursework** – Deep Learning, Machine Learning, Visual Learning and Recognition, Advanced Natural Language Processing, On-Device ML

Vellore Institute of Technology | Vellore, India | **GPA: 8.71/10**

August 2022

Bachelor of Technology (BTech), Computer Science and Engineering

- **Selected Coursework** – Data Structures and Algorithms, Artificial Intelligence
- **Leadership** – Technical Director at ACM Student Chapter - oversaw projects, organized hackathons.

SKILLS

Technical Skills: Machine Learning, NLP, Computer Vision, Software Engineering

Programming Skills: Python, Java, Tensorflow, PyTorch, PySpark, C++, Javascript, Git, AWS, Docker

Languages: English (Fluent/Native), Hindi (Fluent/Native)

INDUSTRY EXPERIENCE

Cassian Solutions | Remote, PA

May 2023 – August 2023

Software + Machine Learning Engineering Intern

- Implemented a Machine Learning model deployed in AWS SageMaker to forecast the optimal timing for engaging patients in specific portal actions, resulting in streamlined patient response times.

Amazon | Remote, India

January 2022 – June 2022

Software Development Engineering Intern

- Developed an event notification system utilizing AWS SQS and Lambda to facilitate smooth customer transitions to a new service.
- Designed and implemented a Data Warehousing solution with AWS Redshift

Drive Analytics | Remote, India

September 2021 – December 2021

Computer Vision Intern

- Trained Baseball Player Classification Models on Tensorflow, utilizing Body Pose Detection, incorporating advanced techniques such as YOLO Object Detection and Tracking.

PROJECTS

Bloom

April 2023 – May 2023

Academic Project, Art and Machine Learning [<https://tinyurl.com/bloom-ai>]

- Spearheaded an interactive art project integrating humans, plants, and AI through touch-based input, involving fine-tuning a StyleGANv3 model on leaf images and utilizing strategic checkpoints for innovative artistic generation. Implemented latent space manipulation to enable dynamic interpolation between distinct generations, triggered by real-time sensory data from plants.

Referring Audio Segmentation [tinyurl.com/idl-report]

March 2023 – May 2023

Academic Project, Deep Learning

- Developed a robust solution for detecting and localizing specific sound events in audio clips.
- Utilized 2D mel-spectrograms, image segmentation techniques, and models like VGGish and EfficientNet to enhance baseline model's performance, achieving competitive F1 scores with lower loss.

Indian Sign Language Detection [tinyurl.com/eesha-isl]

June 2022 – July 2022

Personal Project

- Employed the MediaPipe model to enhance Indian Sign Language detection by overcoming limitations associated with traditional skin segmentation methods, including lighting and skin tone variations.