Abhishek Vasu

CONTACT
INFORMATION

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EDUCATION

New York University, New York, United States of America
MSc in Electrical Engineering, **GPA 3.74/4**

TECHNICAL SKILLS

Areas of Expertise: Machine Learning, Data Science, LLMs,
2D/ 3D Computer Vision, Human Body Models, Music Information Retrieval

Software Skills: Python, Tensorflow, PyTorch, SQL, Typescript, React, Docker,
Kubernetes, Flask, FastAPI, Kubeflow, MLOps,, GCP, Azure, Redis,
Vector databases, HTML, CSS, Javascript

WORK EXPERIENCE

AI/ML Engineer at BODS (June 2023 - June 2024)
I worked as the sole AI/ML Engineer at BODS. In my time at BODS, we went from having no customers to securing 2. My responsibilities were the following:

- I built a human body measurement predictor from user submitted images, and metadata, to improve the virtual try on experience. I improved the average error to less than an inch
- I integrated a pose detection algorithm into the BODS frontend to automatically trigger a photo when the user was in the correct pose
- I was responsible for deploying the ML models, and worked cross functionally with backend, frontend, and devops

Senior Machine Learning Engineer at Pex (August 2018 - May 2023)
I worked on the R&D team as a Machine learning Engineer, and then eventually as a Senior Machine learning Engineer. I joined as the 13th employee, and saw Pex scale to over 100 employees Some of the projects I have worked on, and their impact on the organization are listed below:

- I worked on building a first of its kind melody matcher, which matches a query song to a song in the database, based on the underlying melody alone. This is now offered as a feature of Pex's products, and is a key differentiator between Pex and its competitors.
- I was a part of the team responsible for solving Google's ReCapatcha. This helped Pex survive at a difficult time in its history, and maintained revenue at the order of $100,000 per month. I was involved in the data collection, training of object detector and segmentation models, evaluation, and deployment.
- I was responsible for setting up ML infrastructure for the team. I helped deploy models using Seldon onto the Azure Kubernetes cluster