

Abhishek Vasu

CONTACT INFORMATION	57 RBD layout Sarjapura Road Bengaluru, Karnataka, India	Phone: +1 (347)-755-7354 abhishekvasu94@gmail.com
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, Tableau, Vector databases, HTML, CSS, Javascript	
WORK EXPERIENCE	AI/ML Engineer at BODS (June 2023 - June 2024) - Los Angeles, CA I worked as the sole AI/ML Engineer at BODS, a seed stage startup. In my time at BODS, we went from having no customers to securing 2. My responsibilities: <ul style="list-style-type: none">• 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 1 inch• I designed and built a microservice for the aforementioned model that received the request from the frontend, and performed inference on it• I integrated a pose detection algorithm into the BODS frontend to automatically trigger a photo when the user was in the correct pose Senior Machine Learning Engineer at Pex (Aug 2018 - May 2023) - Los Angeles, CA 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 my projects: <ul style="list-style-type: none">• 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 ReCaptcha. This helped Pex survive at a difficult time in its history, and maintained revenue at the order of \$100,000 per month. I worked on data collection, training of object detector and segmentation models, evaluation, and building a microservice for inference.• I was responsible for setting up ML infrastructure for the team. I helped make models scalable, and built tooling for monitoring• Fine tuned and evaluated LLMs on a metadata deduplication project	