

Bhargav Pamidighantam

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Experience

Apple

AI/ML Data Operations Analyst

Mar 2023 - Mar 2024

Hyderabad, India

- Managed large-scale data annotation and transcription workflows across multiple ML products (Siri, speech recognition, computer vision), processing **700K+** voice, audio, and text samples to generate labeled training data.
- Evaluated multilingual speech and LLM model outputs across diverse English dialects, documenting error patterns and providing feedback to ML engineering teams on failure modes and model performance.
- Applied linguistic expertise in Singaporean English to improve annotation accuracy and identify cross-dialect inconsistencies, contributing to data quality improvements for underrepresented language variants.
- Collaborated with ML engineers and QA teams to establish annotation standards and quality metrics, ensuring consistency across large-scale data operations.

SSP 2000 Inc.

IT Operations Intern

May 2021 - Jul 2021

Hyderabad, India

- Developed and deployed digital inventory tracking system using **Python** backend and **PostgreSQL** database, reducing manual asset tracking errors by **78%**.
- Designed database schema and REST APIs for asset inventory system, enabling real-time tracking and frontend integration for operations team.

Education

Northeastern University

M.S. in Computer Science (Machine Learning and Distributed Systems), GPA: 3.7/4.0

Sep 2024 - May 2026

Boston, MA

Indian Statistical Institute

Postgraduate Diploma in Applied Statistics (Statistical Methods for ML)

Oct 2022 - Oct 2023

India

ICFAI Business School

Bachelor of Business Administration

Aug 2019 - May 2022

India

Certifications: Stanford University — Machine Learning Specialization | Google — Data Analytics, Project Management |

Technical Skills

Languages: Python, Java, SQL, R, Golang

Backend & APIs: Flask, REST APIs, PostgreSQL, MongoDB, database design

Machine Learning: PyTorch, TensorFlow, Scikit-learn, XGBoost, Hugging Face, SHAP

Distributed Systems: Kubernetes, Docker, microservices, AWS (EC2, S3), CI/CD, Terraform, Git

ML Infrastructure: MLOps, data pipelines, model evaluation, hyperparameter tuning

Projects

Clinical Text Summarization using T5 Transformer

Jul 2025 - Aug 2025

- Built end-to-end **NLP pipeline** using **Python**, **PyTorch**, **Hugging Face** to train and evaluate T5 models on **3,700+** clinical notes.
- Achieved **97%** text compression; evaluated output using ROUGE metrics and human assessment.

Food Delivery System

Nov 2025 - Dec 2025

- Designed and implemented full-stack food delivery platform with **MySQL** database, **Python** backend, and **Streamlit** dashboards.
- Features include multi-role authentication for customers/restaurants/delivery agents, automated delivery assignment logic, and real-time status updates.

MLOps with GitHub Actions

Dec 2025

- Automated machine learning pipeline using **GitHub Actions** for CI/CD with model training, testing, versioning, and **containerization**.
- Implements automated model validation, performance monitoring, and seamless cloud deployment integration.