

# Bhargav Pamidighantam

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## Experience

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### Apple

AI/ML Data Operations Analyst

Mar 2023 – Mar 2024

Hyderabad, India

- Performed large-scale data annotation, transcription, and quality control for **speech, vision, and multimodal ML models** supporting Siri-related workloads.
- Reviewed and evaluated **700K+** audio, text, and image samples, identifying labeling errors, ambiguity, and systematic failure patterns in model outputs.
- Conducted qualitative analysis of **LLM and ASR outputs** across multiple English dialects, documenting error categories and edge cases for downstream model iteration.
- Worked with annotation guidelines, QA protocols, and escalation workflows to maintain consistency and reliability across high-volume ML data pipelines.

### SSP 2000 Inc.

IT Operations Intern

May 2021 – Jul 2021

Hyderabad, India

- Built an internal **inventory tracking system** using Python and PostgreSQL to replace manual asset logging workflows.
- Designed relational database schema and implemented REST-style endpoints to support CRUD operations for operational data.
- Focused on correctness, maintainability, and documentation rather than production-scale deployment.

## Education

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### Northeastern University

M.S. in Computer Science (Machine Learning, 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

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**Programming:** Python, Java, SQL, R, Go

**ML & Data:** PyTorch, TensorFlow, Scikit-learn, Hugging Face, XGBoost, SHAP

**Systems & Infra:** Docker, Kubernetes (fundamentals), Git, CI/CD concepts, AWS (EC2, S3), Terraform

**ML Workflows:** data pipelines, model evaluation, experiment tracking, hyperparameter tuning

## Projects

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### F1 Race Strategy Optimizer (In Progress)

Jan 2026 – Present

- Developing a collaborative ML system to simulate and optimize Formula 1 race strategies for an academic **MLOps Expo**.
- Current focus on data ingestion, feature engineering, and modular pipeline design; deployment and scaling planned.

### Clinical Text Summarization (Academic Project)

Jul 2025 – Aug 2025

- Trained and evaluated **T5-based summarization models** on 3,700+ clinical notes using PyTorch and Hugging Face.
- Assessed performance using ROUGE metrics and qualitative review; focused on experimentation rather than production deployment.

### MLOps CI Pipeline with GitHub Actions

Dec 2025

- Implemented CI workflows for model training, validation, and container builds using GitHub Actions.
- Explored reproducibility, automated testing, and version control for ML experiments.