

# Bhargav Pamidighantam

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## Experience

**Apple** Mar 2023 - Mar 2024  
AI/ML Data Operations Analyst 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.** May 2021 - Jul 2021  
IT Operations Intern 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** Sep 2024 - May 2026  
M.S. in Computer Science (Machine Learning and Distributed Systems ), GPA: 3.7/4.0 Boston, MA

**Indian Statistical Institute** Oct 2022 - Oct 2023  
Postgraduate Diploma in Applied Statistics (Statistical Methods for ML) India

**ICFAI Business School** Aug 2019 - May 2022  
Bachelor of Business Administration 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.