

BHARGAVI B

+91 7349417953 — [linkedin.com/in/bhargavi-b-504904235/](https://www.linkedin.com/in/bhargavi-b-504904235/) — bhargavibharath1114@gmail.com — github.com/bhargavi1172001

Summary — Resourceful and results-driven AI/ML Engineer with nearly 2+ years of experience in developing and deploying privacy-preserving machine learning solutions. Specialized in Federated Learning, Differential Privacy, and Generative Adversarial Networks (Pro-WGAN, StyleGAN, BigGAN) with demonstrated success in secure synthetic data generation for Aadhaar applications and fintech domains.

Skills

Languages

ML Frameworks
NLP

Python, SQL, C Language
TensorFlow, PyTorch, Keras, scikit-learn
GAN Models, CNNs, Diffusion Models

Cloud Platforms and OS
Deployment Tools

Linux, Windows, AWS, GCP
GitHub, Docker, Hugging Faces

Experience

CSIR-Fourth Paradigm Institute, Bengaluru, India

Aug 2023 — Mar 2025

Project Associate 1 (AI ML researcher)

Client: AADHAAR

- Developed scalable AI systems for biometric risk modeling using differential privacy and federated learning to comply with Aadhaar security protocols.
- Designed and implemented scalable ML solutions using frameworks such as TensorFlow, Keras, and PyTorch. Specifically, I employed Convolutional Neural Networks(CNNs) for biometric image generation and fine-tuning
- Utilized Docker containers for model reproducibility, testing, and scaling across edge devices. Improved biometric data quality by 35% using model finetuning and error estimation.

Adaptability

- This research and development approach, focused on privacy-preserving AI techniques like Differential Privacy and Federated Learning, can be applied to various industries, including:
 - Government and Public Sector: Privacy-preserving biometric systems for national identity and social security programs (e.g., Aadhaar).
 - Healthcare: Privacy-preserving sharing of medical data across hospitals, using Federated Learning for secure model training without compromising patient privacy.

Comviva Technologies Pvt Ltd, Bengaluru, India

Sep 2022 – Aug 2023

Product Support Engineer

Client: MoMo MTN App

- Provided backend technical support for the MoMo MTN App (money transfer, bill payment, mobile top-up, and digital wallet).
- Handled backend incident response and anomaly detection in financial transaction environments.
- Used SQL and Grafana to build dashboards that surfaced potential violations and operational risks.
- Managed high-throughput Linux systems with containerized microservices in production.

Adaptability

- This infrastructure setup and the skills acquired can be applied across various industries, including: Financial Services, Mobile payments, digital wallets, and banking applications.

Education

Global Academy Of Technology (VTU), Bengaluru, India

Jul 2018 – Aug 2022

Bachelor of Engineering

Electronics and Communication (cgpa 7.57)

Certifications & Training

- C Language
- C ++
- Java

Languages

- English
- Hindi
- Kannada
- Tamil