

Contact

Panikara Gaon, Morangi Chari Ali,
dist: Golaghat
Golaghat, Assam, 785702
India
6913911634 (Home)
proyashpsb@gmail.com

[www.linkedin.com/in/
proyashpabansarmaborah](https://www.linkedin.com/in/proyashpabansarmaborah)
(LinkedIn)
spritan.github.io/Portfolio-website/
(Portfolio)

Top Skills

Redis
EDA
Microsoft Azure

Languages

Hindi (Full Professional)
Assamese (Native or Bilingual)
English (Professional Working)

Certifications

Encoder-Decoder Architecture
AI Agents in LangGraph
Qt 5 C++ GUI Development For
Beginners : The Fundamentals
MOOC Machine Learning in Weather
& Climate
Machine Learning A-Z

Honors-Awards

Techniche Escalade 10.0 1st prize
Techfest IITB Meshmerize 4th prize
Rhapsody 2.0 Techtrix (RoboWar)
GEC 2nd Prize
TECHमल्लिष AppVenture GIMT 1st
Prize
Winner Un-Flood Hackathon, Assam
Startup and Ministry of Electronics
and Telecommunication

Publications

Proyash Paban Sarma Borah

MLE @Ninur | ExGDSC Lead '22 | Ex Research Associate @APU |
Computer Vision| DL | ML |B.Tech in ETE @AEC'24
Golaghat, Assam, India

Summary

I'm a dynamic and innovative Machine Learning Engineer with a passion for transforming complex challenges into sleek, impactful solutions. In my current role as a Senior Machine Learning Engineer at Ninur Tech, I blend technical expertise with a creative, out-of-the-box approach to drive projects in AI, robotics, and computer vision. My journey has seen me architect ML pipelines, craft collaborative recommendation systems, and lead award-winning robotics teams—all while fueling my relentless curiosity and open-source spirit.

With a strong foundation in Electronics and Telecommunications Engineering and hands-on experience across IoT, data analysis, and cloud technologies, I thrive on merging art with science to deliver future-forward solutions. I'm all about pushing boundaries, disrupting the status quo, and delivering work that's as cool as it is cutting edge.

Let's connect and explore how we can innovate and build the next big thing together.

Experience

NINUR TECH PRIVATE LIMITED

Machine Learning Engineer
October 2024 - Present (1 year)
Guwahati, Assam, India

Trained & optimized 15+ vision models (ViT, EfficientNet) for 100+ NE Indian plant species

Deployed models to Flutter apps via TFLite & server-side via ONNX/

TorchScript

Built TTS pipelines (VITS, FastPitch, XTTS...) in 5+ Indian languages + real-time streaming

Designed IoT pipelines w/ BLE & Serial — made low-cost sensors Flutter-ready

- # Created a voice-first AI agent (Gemini LLM) for search, theme, analytics, etc.
- # Automated training workflows with internal labeling & annotation tools

Community Climate Lab (CCL)

Member

February 2022 - Present (3 years 8 months)

Guwahati, Assam, India

Gained expertise in climate tools: Executed Flood Inundation analysis for Guwahati using Google Earth Engine (GEE), QGIS, and Python, showcasing practical skills and delivering actionable insights also scripted GEE tools for 10+ time series tasks including NDVI, NDBI, and NDWI.

Frint.in

Independent Consultant

August 2024 - February 2025 (7 months)

Guwahati, Assam, India

Advised product strategy & led AI/ML team to build a smart video interview system

- # Oversaw hiring, system architecture, and tech alignment with Frint's core vision

SpArts Technologies

SDE

February 2024 - August 2024 (7 months)

Bengaluru, Karnataka, India

- Developed AI evaluation pipelines on GCP for auto video assignment checking using pose comparison and LLM integration.
- Developed AI Fitness and workout routine on React based PWA student app using Mediapipe js.
- Designed custom pose embeddings for satisfactory pose similarity.
- Implemented clientside guided video recording system in ReactJs and mediapipeJs.
- Built Sparts B2B portal's landing page with ReactJs server components for better SEO and integration with Strapi CMS.

Eastern Botz

Vice Captain

April 2021 - May 2024 (3 years 2 months)

Guwahati, Assam, India

Lead multiple robotics Teams to win several national/ International events.

Frint.in

MLE

November 2023 - January 2024 (3 months)

Guwahati, Assam, India

Designed and deployed a Collaborative Filtering based recommendation system. Also crafted a LLM based Job description generator.

Sumato Globaltech

IoT Intern

August 2023 - October 2023 (3 months)

Guwahati, Assam, India

Crafted scripts for Raspberry Pi system, Speedup bootup time by 40%. Built Flask web service for a Kiosk system dashboard.

3DAiLY

Machine Learning Intern

July 2023 - August 2023 (2 months)

Guwahati, Assam, India

Optimized computer vision-based deep-learning models (ViT, ViT-adapter, MLP mixer, etc) with PyTorch-lightning, achieving a 98% accuracy in recreating frontal human faces from side view images

Azim Premji University

Consultant

August 2022 - July 2023 (1 year)

Bengaluru, Karnataka, India

- Established NodeMUC-based pollution monitoring network, optimized Django APIs for 15% faster data preprocessing, and created a ReactJS dashboard.
- Maintained Wiki for efficient onboarding.
- Developed Python and bash scripts for processing CMIP5 and CMIP6 gridded climatology data.
- Authored PYQGIS script for QGIS automation, saving 5 hours weekly in data analysis.

Education

Assam Engineering College, (A.E.C)

Bachelor of Technology - BTech, Electronics and Telecommunications Engineering · (2020 - 2024)

Delhi Public School - Numaligarh
12th, AISSCE in Science · (2018 - 2020)

St. mary's high School, Doigrung
HSLC , High School Certificate of Competence Program · (2006 - 2018)