

Subhojit Ghimire

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Professional Summary

AI/ML Developer with 2 years of industry experience and a strong academic foundation in **Computer Science & Engineering**. Proven expertise in production-grade backend development, scalable machine learning automation, and Generative AI applications. Core contributor to **JioBrain**, India's first AI/ML platform with 5G integration, delivering scalable solutions for business use. Track record of delivering production-ready systems independently and in collaborative, cross-functional teams.

Education

Bachelor of Technology (B.Tech.) in Computer Science & Engineering July 2019 – June 2023
National Institute of Technology (NIT) Silchar, Assam, India [🔗](#)
• CGPA: 8.79/10.0 [🔗](#)

Professional Experience

AI/ML Developer July 2023 – July 2025
Jio Platforms Limited (JPL), Gurugram, Haryana, India [🔗](#)
• Played an integral role in the foundational development and evolution of JioBrain [🔗](#), a pioneering enterprise AI/ML platform integrated with 5G technology.
• Engineered Python-based backend systems to enhance ML automation and develop Generative AI capabilities, streamlining processes for corporate clients across diverse sectors.
• Worked on cross-functional ML delivery pipelines, including model training, testing, and deployment.
• Co-contributed to two patents granted by the Indian Patent Office for innovations in network service quality and fault management.

Patents & Publications

System and Method for Determining Quality of Service Metrics in a Network

- Indian Patent Office | Patent No: 567255

Method and System for Dynamic Correlation with Fault Management

- Indian Patent Office | Patent No: 566410

TRAVID: An End-to-End Video Translation Framework

- ACL Anthology | In Proceedings of IJCNLP-AAACL 2023: System Demonstrations [🔗](#)

Research & Internship Experience

Research Intern (SN Bose Summer Internship) June 2022 – July 2022
National Institute of Technology (NIT) Silchar, Assam, India [🔗](#)
• Spearheaded the research and development of a Python-based video translator prototype, designed to translate content while preserving lip synchronisation and performing initial voice cloning.
• Built the early frontend prototype with HTML, CSS, and JavaScript, and utilised Python for backend logic.
• Collaborated effectively with supervisors and fellow interns in a research-focused team environment, contributing to the project's foundational codebase.

Technical Skills

Programming Languages: Python, C++, C, HTML, CSS, JavaScript

AI/ML & Data Science: Scikit-learn, Torch, TensorFlow, Pandas, NumPy, MLFlow, Anyscale Ray, LangChain, Transformers

Frameworks & Tools: Flask, Git, Canva, Adobe Photoshop

Operating Systems Comfort: Windows, RHEL, Ubuntu, Mint

Language Proficiency: Nepali (Native), English (Fluent), Hindi (Fluent)

Highlighted Projects

TRAVID – Web-Based Video Translator

 [Repo](#)

- Expanded upon the internship prototype into a full-fledged web application using Flask for real-time video translation with language switching and lip synchronisation, making the tool accessible online to users.

Geospatial Sentiment Analyser

 [Repo](#)

- Created a Python tool to perform sentiment analysis on a geotagged dataset of tweets, utilising Pandas for data manipulation and generating graphical cluster maps and word clouds to visualise regional variations.

Salton Index Calculator (NetworkX Extension)

 [Repo](#)

- Implemented a proximity-based graph similarity metric missing from NetworkX as a custom function to expand the library's capabilities for graph analysis.

Leadership & Extracurricular

Designer & Co-founder | Yearli Yearbooks (NITS Startup)

- Co-managed a campus startup, designing and delivering yearbooks to hundreds of graduating students.
- Led design and managed marketing and operations.

Community Moderator

- Managed and moderated online communities on Reddit and Discord, developing skills in conflict resolution, effective communication, and user engagement.