

## Education

### The Assam Kaziranga University

BCA, BACHELOR OF COMPUTER APPLICATIONS, CGPA: 9.85/10.00

- **Final Research Project**, Supervised by Dr. Dibya Jyoti Bora

Jorhat, Assam, India

2022 - 25

### Army Public School Jorhat

12TH CBSE, PERCENTAGE: 89.66%

Jorhat, Assam, India

2019 - 22

## Experience

### LeapX AI

AI ENGINEER INTERN

Reporting to the Chief Technical Officer (CTO) **Adityaojas (Ojas) Sharma**.

Gurugram, Haryana, India

Jan 2025 - Present

### National Institute of Technology Silchar (NITS)

RESEARCH INTERN

Worked under the mentorship of **Prof. Binoy Krishna Roy**; first author of the paper "Different Cybercrimes and their Solution for Common People," which analyzed cybercrime trends, Indian statistics, and proposed 31 practical solutions for non-tech-savvy individuals.

Silchar, Assam, India

Jun 2024 - Aug 2024

### Composio

SOFTWARE ENGINEERING (PYTHON), INTERN

As a fast-paced AI Agent startup, Composio provided me the opportunity to contribute to their central codebase. I collaborated with the API integration team and successfully assisted in integrating over 100 companies into the Composio platform.

Benguluru, Karnataka, India

Mar 2023 - Apr 2024

### Success Scholar

APPLICATION/PRODUCT DEVELOPER, INTERN

Led the development of a new dynamic web application using Django-Python; upgraded the official website of the company to improve user experience and performance; developed 5+ web scrapers to extract valuable data from the Internet, enhancing data-driven decision-making.

Kolkata, West Bengal, India

Jul 2023 - Mar 2024

## Publications

### Enforcement Agents: Enhancing Accountability and Resilience in Multi-Agent AI Frameworks

AVAILABLE AS A PREPRINT ON ARXIV

[HTTPS://ARXIV.ORG/ABS/2504.04070](https://arxiv.org/abs/2504.04070)

S. Tamang, D. J. Bora

Under Review

2025

### Evaluating Tokenizer Performance of Large Language Models Across Official Indian Languages

AVAILABLE AS A PREPRINT ON ARXIV

[HTTPS://ARXIV.ORG/ABS/2411.12240](https://arxiv.org/abs/2411.12240)

S. Tamang, D. J. Bora

Under Review

2024

### AI Poramorxo: Assamese Language NLP for Medical Report Generation and Translation

AICTE ICESCC 2024 - BEST PAPER AAWARD

ISBN: 978-93-91883-98-0

S. Tamang, D. J. Bora

Original Research

2024

### Performance Evaluation of Tokenizers in Large Language Models for the Assamese Language

SPRINGER NATURE: INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY

[HTTPS://LINK.SPRINGER.COM/ARTICLE/10.1007/S41870-025-02454-8](https://link.springer.com/article/10.1007/s41870-025-02454-8)

S. Tamang, D. J. Bora

Original Research

2024

### Different Cybercrimes and their Solution for Common People

AVAILABLE AS A PREPRINT ON ARXIV

[HTTPS://ARXIV.ORG/ABS/2410.09089](https://arxiv.org/abs/2410.09089)

S. Tamang, G. S. Chandana, B. K. Roy

UNDER REVIEW

2024

AVAILABLE AS A PREPRINT ON ARXIV  
HTTPS://ARXIV.ORG/ABS/2410.11291  
S. Tamang, D. J. Bora

2024

IEEE OTCON 2024 - BEST PAPER AWARD  
HTTPS://IEEEXPLORE.IEEE.ORG/ABSTRACT/DOCUMENT/10687932/  
B. Nath, S. Tamang, S. Munshi, K. K. Pandey, S. Kumar, P. Randhawa

2023

AVAILABLE AS A PREPRINT ON ARXIV  
HTTPS://ARXIV.ORG/ABS/2410.11866  
S. Tamang, D. J. Bora

2023

Leadership Positions Held

CHAIR  
Launched the IEEE Student Branch under the guidance of **Mousoomi Bora**. Led workshops on research for the School of Engineering & Technology (SET) and the School of Computing Sciences (SCS), fostering a culture of research and innovation on campus.

Aug 2024 - now

VICE PRESIDENT  
Promoted entrepreneurial spirit on campus by organizing regular workshops, networking events, and mentorship programs, encouraging students to explore startup opportunities and innovative business ideas. Managed reports for all club events and participated in key events such as the Cambodia Delegation visit to Kaziranga University and KUDOS - the annual business plan competition.

Jul 2023 - Jul 2024

TECHNICAL LEAD  
Led the organization of multiple events such as the Smart India Hackathon, and various coding workshops, aimed at fostering and expanding the coding culture on campus. Played a key role in promoting practical coding skills and innovation among students at the university.

Apr 2023 - Apr 2024

Volunteering

STUDENT MEMBER  
Coordinated workshops and events at the university, ensuring detailed report creation for proper documentation. Contributed to improving the university's Innovation ranking by supporting efficient organizational processes.

Mar 2023 - Mar 2024

NSS VOLUNTEER  
Volunteered in local villages, contributing to community service and awareness programs. Participated in National Integration Camps (NIC) and two North East NSS Festivals held at Sikkim (2024) and Meghalaya (2023). Won 2nd prize in a speech competition (2023) and 3rd prize in a debate competition (2024) during the events.

Mar 2023 - Mar 2024

RELATIONS EXECUTIVE, INTERN  
Managed relations with NGOs, specifically orphanages, to foster meaningful collaborations and impactful societal outcomes. Reached out to prospective orphanages to build partnerships for social initiatives.

Jul 2023 - Sep 2023

Honors and Awards

AICTE ICESCC 2024  
Presented the paper "AI Poramorxo: Assamese Language NLP for Medical Report Generation and Translation," securing the best paper award.

Jun 2024

IEEE CONFERENCE  
Presented the paper "A Comparative Study of Model Variations: English-Nepali Language Pair," securing the best paper presentation award.

Jun 2024

## 1st Position in Extempore Speech Competition

NCC CELL

Organized by the NCC Cell, The Assam Kaziranga University.

NCC Cell

Mar 2023

## 3rd Position in Model United Nation (MUN)

TEAM JAPAN

20 Teams from 10 universities from across India took part in this event.

Royal Global University

2024

## Projects

---

### Assamese GPT

[HTTPS://ONUHONDHAN.FEYNMANPI.COM/](https://onuhondhan.feynmanpi.com/)

An Assamese GPT.

Web App

Django, HTMX, Portykey, Daphne, LLMs,  
SUTRA

### Therapist AI

[HTTPS://GITHUB.COM/SAGAR-TAMANG/THERAPIST-AI](https://github.com/SAGAR-TAMANG/THERAPIST-AI)

Your personal AI-powered mental health support, available 24/7.

Web App

Django, HTMX, Portykey, Daphne

### BharatGPT

[HTTPS://GITHUB.COM/SAGAR-TAMANG/BHARATGPT-FEYNMANPI](https://github.com/SAGAR-TAMANG/BHARATGPT-FEYNMANPI)

India's Answer to the LLM revolution.

Web App

Django, HTMX, Google API, Postgres

### SSB AI

[HTTPS://GITHUB.COM/SAGAR-TAMANG/SSB](https://github.com/SAGAR-TAMANG/SSB)

India's first AI powered Service Selection Interview Board Exam Preparation Service.

Web App

Django, HTMX, Google API, Redis

## Technical Skills

---

**Programming** Python, Java, Javascript, SQL

**Frameworks** Django, DRF, Django Ninja, PyTorch, TensorFlow, Langchain, Selenium

**Others** Google Colab, Linux, Docker, Vim, IPythonNotebook, Git, Github, HTMX, Adobe Photoshop/ After Effects, Unsloth, Axolotl LLM,  $\text{\LaTeX}$