

## Education

---

### Indian Institute of Technology Patna

Bihta, India

MCA. MASTER OF COMPUTER APPLICATIONS

2025 - 27

- **CGPA:** Soon
- **Joint Degree** from IIT Patna and IIIT Ranchi

### The Assam Kaziranga University

Jorhat, Assam, India

BCA. BACHELOR OF COMPUTER APPLICATIONS

2022 - 25

- **Gold Medalist**
- **Final Research Project**, Supervised by Dr. Dibya Jyoti Bora
- **CGPA:** 9.8/10

### Army Public School Jorhat

Jorhat, Assam, India

12TH CBSE

2019 - 22

- **Percentage:** 89.66%

## Experience

---

### TwoSpoon AI

Bangalore, Karnataka, India

AI ENGINEER

September 2025 - Present

Working on awesome stuff. Part of the River Team.

### LeapX AI

Gurugram, Haryana, India

AI ENGINEER INTERN

Jan 2025 - May 2025

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

### National Institute of Technology Silchar (NITS)

Silchar, Assam, India

RESEARCH INTERN

Jun 2024 - Aug 2024

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.

### Composio

Benguluru, Karnataka, India

SOFTWARE ENGINEERING (PYTHON), INTERN

Mar 2023 - Apr 2024

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.

### Success Scholar

Kolkata, West Bengal, India

APPLICATION/PRODUCT DEVELOPER, INTERN

Jul 2023 - Mar 2024

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.

## Publications

---

### Task-Oriented Evaluation of Assamese Tokenizers Using Sentiment Classification

Original Research

SCIENCE AND INFORMATION (SAI) ORGANIZATION: IJACSA

2025

[HTTPS://DOI.ORG/10.14569/IJACSA.2025.0160979](https://doi.org/10.14569/IJACSA.2025.0160979)

B. Nath, S. Tamang, O. Elwasila, Y. Gulzar

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

Under Publication

PRESENTED AT ICDDA 2025 [CERTIFICATE]

2025

ABSTRACT PUBLISHED IN BOOK OF ABSTRACTS (ISBN: 978-93-91883-90-4)

S. Tamang, D. J. Bora

### Can LLMs Predict the Stock Market? A Comparative Analysis of AI-driven Financial Forecasting

Under Publication

PRESENTED AT ICDDA 2025 [CERTIFICATE]

2025

ABSTRACT PUBLISHED IN BOOK OF ABSTRACTS (ISBN: 978-93-91883-90-4)

S. Tamang, U. Das, K. Modi, K. Sharma, D. J. Bora

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

Under Review

AVAILABLE AS A PREPRINT ON ARXIV

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

S. Tamang, D. J. Bora

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

Original Research

PRESENTED AT AICTE ICESCC 2024 [CERTIFICATE]

ABSTRACT PUBLISHED IN BOOK OF ABSTRACTS (ISBN: 978-93-91883-98-0)

S. Tamang, D. J. Bora

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

Original Research

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

## Different Cybercrimes and their Solution for Common People

UNDER REVIEW

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

## Enhancing Assamese NLP Capabilities: Introducing a Centralized Dataset Repository

UNDER REVIEW

AVAILABLE AS A PREPRINT ON ARXIV

[HTTPS://ARXIV.ORG/ABS/2410.11291](https://arxiv.org/abs/2410.11291)

S. Tamang, D. J. Bora

## A Comparative Study of Model Variations: English-Nepali Language Pair

Original Research

IEEE OTCON 2024 - BEST PAPER AWARD

[HTTPS://IEEEXPLORE.IEEE.ORG/ABSTRACT/DOCUMENT/10687932/](https://ieeexplore.ieee.org/abstract/document/10687932/)

B. Nath, S. Tamang, S. Munshi, K. K. Pandey, S. Kumar, P. Randhawa

## An Innovative Solution: AI-Based Digital Screen-Integrated Tables for Educational Settings

UNDER REVIEW

AVAILABLE AS A PREPRINT ON ARXIV

[HTTPS://ARXIV.ORG/ABS/2410.11866](https://arxiv.org/abs/2410.11866)

S. Tamang, D. J. Bora

## Leadership Positions Held

### IEEE Student Branch - The Assam Kaziranga University

Jorhat, Assam, India

CHAIR

Aug 2024 - now

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.

### Entrepreneurship Club - The Assam Kaziranga University

Jorhat, Assam, India

VICE PRESIDENT

Jul 2023 - Jul 2024

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.

### Google Developers Student Clubs- The Assam Kaziranga University

Jorhat, Assam, India

TECHNICAL LEAD

Apr 2023 - Apr 2024

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.

## Volunteering

### Institution's Innovation Council (IIC)

Jorhat, Assam, India

STUDENT MEMBER

Mar 2023 - Mar 2024

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.

## National Service Scheme (NSS)

### 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.

Jorhat, Assam, India

Mar 2023 - Mar 2024

### Safar

Remote

#### RELATIONS EXECUTIVE, INTERN

Jul 2023 - Sep 2023

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.

## Honors and Awards

### Best Paper Award - ICDDA 2025

Jorhat, Assam, India

INTERNATIONAL CONFERENCE IN DATA DRIVEN AI (ICDDA) 2025

May 2025

For conference paper "Enforcement Agents: Enhancing Accountability and Resilience in Multi-Agent AI Frameworks." [\[Certificate\]](#)

### Best Paper Award - ICDDA 2025

Jorhat, Assam, India

INTERNATIONAL CONFERENCE IN DATA DRIVEN AI (ICDDA) 2025

May 2025

For conference paper "Can LLMs Predict Stock Market? A Comparative Analysis of AI-Driven Financial Forecasting." [\[Certificate\]](#)

### Best Paper Award - AICTE ICESCC 2024 Conference

Jorhat, Assam, India

INTERNATIONAL CONFERENCE ON ENERGY, SUSTAINABILITY AND CLIMATE CHANGE (ICESCC) 2024

Jun 2024

For the paper "AI Poramorxo: Assamese Language NLP for Medical Report Generation and Translation." [\[Certificate\]](#)

### Best Paper Award - OTCON IEEE Conference

IEEE OTCON 3.0

IEEE OP JINDAL TECHNOLOGY CONFERENCE (OTCON) 2024

Jun 2024

Presented the paper "A Comparative Study of Model Variations: English-Nepali Language Pair." [\[Certificate\]](#)

## Projects

### ChatGPT Browser MCP

AI Agents MCP Server

<https://github.com/Sagar-Tamang/ChatGPT-Browser-MCP>

nodriver, selenium, mcp[cli], pyperclip

A selenium-based MCP server that runs ChatGPT.

### Assamese GPT

Web App

<https://onuhondhan.feynmanpi.com/>

Django, HTMX, Portykey, Daphne, LLMs

An Assamese GPT.

### Therapist AI

Web App

<https://github.com/Sagar-Tamang/Therapist-AI>

Django, HTMX, Portykey, Daphne

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

### BharatGPT

Web App

<https://github.com/Sagar-Tamang/BharatGPT-feynmanpi>

Django, HTMX, Google API, Postgres

India's Answer to the LLM revolution.

### SSB AI

Web App

<https://github.com/Sagar-Tamang/ssb>

Django, HTMX, Google API, Redis

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

## Technical Skills

### Programming

Python, Java, Javascript, SQL

### Frameworks

React/Next JS, Django, DRF, Django Ninja, PyTorch, TensorFlow, Langchain, Langgaph, Llamaindex, Unslotl AI, Axolotl AI

### Others

Figma, Framer, SigNoz, Checkmk, Apache Kafka, Apache Airflow, Google Colab, Linux, Docker, Vim, IPythonNotebook, Git, Github, HTMX, Tailwind, Adobe Photoshop, Adobe After Effects, Adobe Premiere Pro, Unslotl, Axolotl LLM, Selenium, Nodriver, LATEX