

# Sagar Tamang

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## Education

### Indian Institute of Technology Patna

MCA. MASTER OF COMPUTER APPLICATIONS

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

Bihta, India

2025 - 27

### The Assam Kaziranga University

BCA. BACHELOR OF COMPUTER APPLICATIONS

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

Jorhat, Assam, India

2022 - 25

### Army Public School Jorhat

12TH CBSE

- **Percentage:** 89.66%

Jorhat, Assam, India

2019 - 22

## Experience

### TwoSpoon AI

AI ENGINEER

Working on awesome stuff. Part of the River Team.

Bangalore, Karnataka, India

September 2025 - Present

### LeapX AI

AI ENGINEER INTERN

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

Gurugram, Haryana, India

Jan 2025 - May 2025

### 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

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

SCIENCE AND INFORMATION (SAI) ORGANIZATION: IJACSA

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

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

Original Research

2025

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

PRESENTED AT ICDDA 2025 [CERTIFICATE]

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

S. Tamang, D. J. Bora

Under Publication

2025

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

PRESENTED AT ICDDA 2025 [CERTIFICATE]

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

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

Under Publication

2025

<b>Evaluating Tokenizer Performance of Large Language Models Across Official Indian Languages</b> <small>AVAILABLE AS A PREPRINT ON ARXIV</small> <a href="https://arxiv.org/abs/2411.12240">https://arxiv.org/abs/2411.12240</a> <a href="#">S. Tamang, D. J. Bora</a>	<i>Under Review</i> 2024
<b>AI Poramorxo: Assamese Language NLP for Medical Report Generation and Translation</b> <small>PRESENTED AT AICTE ICESCC 2024 [CERTIFICATE]</small> <small>ABSTRACT PUBLISHED IN BOOK OF ABSTRACTS (ISBN: 978-93-91883-98-0)</small> <a href="#">S. Tamang, D. J. Bora</a>	<i>Original Research</i> 2024
<b>Performance Evaluation of Tokenizers in Large Language Models for the Assamese Language</b> <small>SPRINGER NATURE: INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY</small> <a href="https://link.springer.com/article/10.1007/s41870-025-02454-8">https://link.springer.com/article/10.1007/s41870-025-02454-8</a> <a href="#">S. Tamang, D. J. Bora</a>	<i>Original Research</i> 2024
<b>Different Cybercrimes and their Solution for Common People</b> <small>AVAILABLE AS A PREPRINT ON ARXIV</small> <a href="https://arxiv.org/abs/2410.09089">https://arxiv.org/abs/2410.09089</a> <a href="#">S. Tamang, G. S. Chandana, B. K. Roy</a>	<i>UNDER REVIEW</i> 2024
<b>Enhancing Assamese NLP Capabilities: Introducing a Centralized Dataset Repository</b> <small>AVAILABLE AS A PREPRINT ON ARXIV</small> <a href="https://arxiv.org/abs/2410.11291">https://arxiv.org/abs/2410.11291</a> <a href="#">S. Tamang, D. J. Bora</a>	<i>UNDER REVIEW</i> 2024
<b>A Comparative Study of Model Variations: English-Nepali Language Pair</b> <small>IEEE OTCON 2024 - BEST PAPER AWARD</small> <a href="https://ieeexplore.ieee.org/abstract/document/10687932/">https://ieeexplore.ieee.org/abstract/document/10687932/</a> <a href="#">B. Nath, S. Tamang, S. Munshi, K. K. Pandey, S. Kumar, P. Randhawa</a>	<i>Original Research</i> 2023
<b>An Innovative Solution: AI-Based Digital Screen-Integrated Tables for Educational Settings</b> <small>AVAILABLE AS A PREPRINT ON ARXIV</small> <a href="https://arxiv.org/abs/2410.11866">https://arxiv.org/abs/2410.11866</a> <a href="#">S. Tamang, D. J. Bora</a>	<i>UNDER REVIEW</i> 2023

## Leadership Positions Held

<b>IEEE Student Branch - The Assam Kaziranaga University</b> <small>CHAIR</small> Launched the IEEE Student Branch under the guidance of <b>Mousoomi Bora</b> . 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.	<i>Jorhat, Assam, India</i> <i>Aug 2024 - now</i>
<b>Entrepreneurship Club - The Assam Kaziranga University</b> <small>VICE PRESIDENT</small> 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.	<i>Jorhat, Assam, India</i> <i>Jul 2023 - Jul 2024</i>
<b>Google Developers Student Clubs- The Assam Kaziranga University</b> <small>TECHNICAL LEAD</small> 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.	<i>Jorhat, Assam, India</i> <i>Apr 2023 - Apr 2024</i>

## Volunteering

<b>Institution’s Innovation Council (IIC)</b> <small>STUDENT MEMBER</small> 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.	<i>Jorhat, Assam, India</i> <i>Mar 2023 - Mar 2024</i>
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National Service Scheme (NSS)

NSS VOLUNTEER

Jorhat, Assam, India

Mar 2023 - Mar 2024

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.

Safar

RELATIONS EXECUTIVE, INTERN

Remote

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

INTERNATIONAL CONFERENCE IN DATA DRIVEN AI (ICDDA) 2025

Jorhat, Assam, India

May 2025

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

Best Paper Award - ICDDA 2025

INTERNATIONAL CONFERENCE IN DATA DRIVEN AI (ICDDA) 2025

Jorhat, Assam, India

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

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

Jorhat, Assam, India

Jun 2024

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

Best Paper Award - OTCON IEEE Conference

IEEE OP JINDAL TECHNOLOGY CONFERENCE (OTCON) 2024

IEEE OTCON 3.0

Jun 2024

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

Projects

ChatGPT Browser MCP

HTTPS://GITHUB.COM/SAGAR-TAMANG/CHATGPT-BROWSER-MCP

AI Agents MCP Server

nodriver, selenium, mcp[cli], pyperclip

A selenium-based MCP server that runs ChatGPT.

Assamese GPT

HTTPS://ONUHONDHAN.FEYNMANPI.COM/

Web App

Django, HTMX, Portykey, Daphne, LLMs

An Assamese GPT.

Therapist AI

HTTPS://GITHUB.COM/SAGAR-TAMANG/THERAPIST-AI

Web App

Django, HTMX, Portykey, Daphne

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

BharatGPT

HTTPS://GITHUB.COM/SAGAR-TAMANG/BHARATGPT-FEYNMANPI

Web App

Django, HTMX, Google API, Postgres

India's Answer to the LLM revolution.

SSB AI

HTTPS://GITHUB.COM/SAGAR-TAMANG/SSB

Web App

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, Langgraph, Llamaindex, Unsloth 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, Unsloth, Axolotl LLM, Selenium, Nodriver, 浏览器