Sagar **Tamang**

✉ cs22bcagn033@kazirangauniversity.in | ⌂ sagartamang.com | ⌂ SAGAR-TAMANG | in sagar-tmg

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**: 9.85/10.00

Army Public School Jorhat   *Jorhat, Assam, India*
12TH CBSE   *2019 - 22*
- **Percentage**: 89.66%

Experience

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   *Bengaluru, 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

Enforcement Agents: Enhancing Accountability and Resilience in Multi-Agent AI Frameworks   *Under Publication*
PRESENTED AT ICDDA 2025 [CERTIFICATE]
ABSTRACT PUBLISHED IN BOOK OF ABSTRACTS (ISBN: 978-93-91883-90-4)   *2025*
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]
ABSTRACT PUBLISHED IN BOOK OF ABSTRACTS (ISBN: 978-93-91883-90-4)   *2025*
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   *2024*
S. Tamang, D. J. Bora

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

Original Research

PRESENTED AT AICTE ICESCC 2024 [CERTIFICATE]

2024

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

2024

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

2024

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

2024

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

2023

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

2023

HTTPS://ARXIV.ORG/ABS/2410.11866

S. Tamang, D. J. Bora

Leadership Positions Held

IEEE Student Branch - The Assam Kaziranaga 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)

Jorhat, Assam, India

NSS VOLUNTEER

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 *Remote*

<small>RELATIONS EXECUTIVE, INTERN</small> *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*

<small>INTERNATIONAL CONFERENCE IN DATA DRIVEN AI (ICDDA) 2025</small> *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*

<small>INTERNATIONAL CONFERENCE IN DATA DRIVEN AI (ICDDA) 2025</small> *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*

<small>INTERNATIONAL CONFERENCE ON ENERGY, SUSTAINABILITY AND CLIMATE CHANGE (ICESCC) 2024</small> *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*

<small>IEEE OP JINDAL TECHNOLOGY CONFERENCE (OTCON) 2024</small> *Jun 2024*

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

Projects

Assamese GPT *Web App*

<small>HTTPS://ONUHONDHAN.FEYNMANPI.COM/</small> *Django, HTMX, Portykey, Daphne, LLMs*

An Assamese GPT.

Therapist AI *Web App*

<small>HTTPS://GITHUB.COM/SAGAR-TAMANG/THERAPIST-AI</small> *Django, HTMX, Portykey, Daphne*

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

BharatGPT *Web App*

<small>HTTPS://GITHUB.COM/SAGAR-TAMANG/BharatGPT-FEYNMANPI</small> *Django, HTMX, Google API, Postgres*

India's Answer to the LLM revolution.

SSB AI *Web App*

<small>HTTPS://GITHUB.COM/SAGAR-TAMANG/SSB</small> *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 Django, DRF, Django Ninja, PyTorch, TensorFlow, Langchain, Selenium, Unsloth AI, Axolotl AI
Others Google Colab, Linux, Docker, Vim, IPythonNotebook, Git, Github, HTMX, Adobe Photoshop/ After Effects, Unsloth, Axolotl LLM, LaTeX