

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

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.

Bengaluru, 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

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

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 PRESENTED AT AICTE ICESCC 2024 [CERTIFICATE] ABSTRACT PUBLISHED IN BOOK OF ABSTRACTS (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 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 S. Tamang, G. S. Chandana, B. K. Roy	UNDER REVIEW 2024
Enhancing Assamese NLP Capabilities: Introducing a Centralized Dataset Repository AVAILABLE AS A PREPRINT ON ARXIV HTTPS://ARXIV.ORG/ABS/2410.11291 S. Tamang, D. J. Bora	UNDER REVIEW 2024
A Comparative Study of Model Variations: English-Nepali Language Pair IEEE OTCON 2024 - BEST PAPER AWARD HTTPS://IEEEEXPLORE.IEEE.ORG/ABSTRACT/DOCUMENT/10687932/ B. Nath, S. Tamang, S. Munshi, K. K. Pandey, S. Kumar, P. Randhawa	Original Research 2023
An Innovative Solution: AI-Based Digital Screen-Integrated Tables for Educational Settings AVAILABLE AS A PREPRINT ON ARXIV HTTPS://ARXIV.ORG/ABS/2410.11866 S. Tamang, D. J. Bora	UNDER REVIEW 2023

Leadership Positions Held

IEEE Student Branch - The Assam Kaziranaga University 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.	Jorhat, Assam, India Aug 2024 - now
Entrepreneurship Club - The Assam Kaziranga University 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.	Jorhat, Assam, India Jul 2023 - Jul 2024
Google Developers Student Clubs- The Assam Kaziranga University 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.	Jorhat, Assam, India Apr 2023 - Apr 2024

Volunteering

Institution’s Innovation Council (IIC) 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.	Jorhat, Assam, India Mar 2023 - Mar 2024
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

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
For conference paper "Enforcement Agents: Enhancing Accountability and Resilience in Multi-Agent AI Frameworks." [Certificate] Jorhat, Assam, India
May 2025

Best Paper Award - ICDDA 2025

INTERNATIONAL CONFERENCE IN DATA DRIVEN AI (ICDDA) 2025
For conference paper "Can LLMs Predict Stock Market? A Comparative Analysis of AI-Driven Financial Forecasting." [Certificate] Jorhat, Assam, India
Jun 2025

Best Paper Award - AICTE ICESCC 2024 Conference

INTERNATIONAL CONFERENCE ON ENERGY, SUSTAINABILITY AND CLIMATE CHANGE (ICESCC) 2024
For the paper "AI Poramorxo: Assamese Language NLP for Medical Report Generation and Translation." [Certificate] Jorhat, Assam, India
Jun 2024

Best Paper Award - OTCON IEEE Conference

IEEE OP JINDAL TECHNOLOGY CONFERENCE (OTCON) 2024
Presented the paper "A Comparative Study of Model Variations: English-Nepali Language Pair." [Certificate] IEEE OTCON 3.0
Jun 2024

Projects

ChatGPT Browser MCP

HTTPS://GITHUB.COM/SAGAR-TAMANG/CHATGPT-BROWSER-MCP
A selenium-based MCP server that runs ChatGPT. AI Agents MCP Server
nodriver, selenium, mcp[cli], pyperclip

Assamese GPT

HTTPS://ONUHONDHAN.FEYNMANPI.COM/
An Assamese GPT. Web App
Django, HTMX, Portykey, Daphne, LLMs

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
India's Answer to the LLM revolution. Web App
Django, HTMX, Google API, Postgres

SSB AI

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, Unsloth AI, Axolotl AI

Others Google Colab, Linux, Docker, Vim, IPythonNotebook, Git, Github, HTMX, Adobe Photoshop/ After Effects, Unsloth, Axolotl LLM, LaTeX