

Krishna Rathore

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EDUCATION

Indian Institute of Technology Patna

Bihta, Patna

Bachelor of Science, Mathematics and Computing

2022

WORK EXPERIENCE

Research Intern at Elsevier Centre of Excellence for Natural Language Processing

11/2023 - Present

Under Prof. Asif Ekbal

- Worked on **multi-modal transformers**, and implemented **CLIP** model for **meme classification**.
- Creating a robust model trained using **continual learning** in **Avalanche AI** and **pytorch lightning**.
- Worked on **Facebook hateful meme dataset**, MAMI dataset, Memotion dataset, and Harmful dataset.

PROJECTS

Cohort of the National Innovation Dialogue by Youth Co: Lab by UNDP

2/2024

Vision.Assist

- Building near-filed Bluetooth based **decentralised communication network technology**.
- Developed a working prototype app using **Android Studio** in **Kotlin**.

Inter-IIT Tech-Meet 12.0 (Contingent Member)

12/2023

Trumio.ai

- Developed a **University Project Ecosystem**, connecting students to industries.
- Conducted **online survey** on alumni, students, and industry experts to get insights on the market.
- Worked with **Figma**, **Hugging Face(Inference API)**, Langchain, and Figjam
- Secured 7th position out of 23 participating IITs.

Smart India Hackathon 2023 (Finalists)

12/2023

CertVerify

- Developed an **online platform for the generation and verification of certificates**.
- Using **blockchain** we made our platform robust, immutable, and decentralized.
- We used **Crypto steganography** for the verification of certificates.
- Developed a companion Android app using **Android Studio** in **Kotlin**.
- Worked with **IPFS**, **Ethereum**, **React**, **HTML**, **CSS**, **SHA-256**, and **AES-256**.

EY CAFTA Case Championship

07/2023

- Implementing **advanced analytical technologies** like AI, ML, and RPA in **treasury management**.
- Devised strategies under four major sectors: **Cash and Liquidity**, **Debt**, **Forex**, and **Investment**.
- Submitted working prototype of **Interest rate modeling by PCA** and **Portfolio building using RF**.
- Shown real-world examples of companies like **Accenture**, **Mahindra Finance**, and **HDFC**.

LEADERSHIP & INVOLVEMENTS

Generative-AI Lead

Google Developer Student Club

Sub-Coordinator

Finance Club (Investing Cell)

Sub-Coordinator

The Entrepreneurship Cell (Creatives and Design)

Sub-Coordinator

Anwasha'24 IIT Patna (Sponsorship and Marketing)

