

KUNAL KUMAR

Software Developer

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itsmekunal99

Aizawl, INDIA

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kunal-kumar-29a374271

ABOUT ME

4th year B.Tech Computer Engineering student at Mizoram University with excellent academic record and keen interest and practical exposure in the field of web designing and applications.

EXPERIENCE

Summer Research Intern

IIT Guwahati

June 2023 – July 2023

Assam, India

- Led a team project at IIT Guwahati to create a sentiment analysis model using Natural Language Processing (NLP) techniques from scratch.
- Pioneered the application of transfer learning techniques to develop a sentiment analysis model tailored for Indian languages, enhancing accessibility and effectiveness across diverse linguistic contexts.
- Conducted thorough performance evaluations, optimizing the model for superior accuracy and efficiency, while developing a reliable NLP framework recognized for its high-quality results in sentiment analysis tasks.

Frontend Development Intern

IBM SkillBuild

Oct 2023 – Dec 2023

remote, online

- Successfully completed diverse web development projects under the guidance of seasoned professionals at IBM SkillBuild, honing my skills in frontend and backend development, and contributing to real-world applications.

PROJECTS

Notex

- Developed a university note-sharing platform with department-wise segregation, community forums, and gamification elements, fostering collaborative learning and student engagement.

Conference management

- Developed a conference management website utilizing React for frontend development and MySQL for database management operations. Implemented features for seamless conference organization and management, showcasing proficiency in web development technologies.

Hand Sign Recognition Dataset

- Collaborated in creating a comprehensive dataset (IEEE) of 13,500 images using Kinect V2, capturing 25 Mizo hand sign alphabets in varying settings for realistic sign language recognition.

KEY SKILLS

WebPage Designing

AI/ML integration

Web Development

Python

PHP

Figma

C++

NLP

DSA

ACHIEVEMENTS



Cleared GATE cutoff(general) in 3rd year

Cleared TCS codevita Round 1 (S-12)

EDUCATION

B Tech in Computer Science

Mizoram University

August 2021 – current

12 th in ICSE

St. Xavier's ,Bokaro

March 2021

10 th in ICSE

St. Xavier's ,Bokaro

March 2019

PUBLICATIONS



Conference Proceedings

- S. K. Kunal Kumar, "Transfer learning framework for sentiment analysis in indian vernaculars," in *Proceedings of ICAIRET*, Mizoram University,Aizawl, 2024.

Sentiment Analysis Model

- Developed advanced sentiment analysis model for Indian languages using LSTM and GRU architectures, integrating transfer learning with MURL, IndicBert, and FastText pretrained word embeddings.
americasp.com/articleinfo/25/show/2702