

CAREER OBJECTIVE

Dedicated programmer with a passion for crafting efficient and innovative solutions. Highly skilled in various programming languages and frameworks, with a proven track record of delivering high-quality code. Adept at problem-solving and collaborating with multidisciplinary teams to achieve project goals. Eager to leverage expertise in programming to contribute to challenging and impactful projects in a dynamic work environment.

EDUCATION

Mizoram University

Bachelor of Technology in computer engineering
2021-2025

SKILL

- **Python Programming:** Versatile use across scripting, data analysis, and web development.
- **Machine Learning & Deep Learning:** Building and implementing models for classification, regression, NLP, and more.
- **Data Structures & Algorithms:** Proficient in fundamental concepts, optimizing for efficiency and performance.
- **Web Development (MERN Stack):** Developing dynamic web apps using MongoDB, Express.js, React.js, and Node.js.
- **Neural Networks:** Designing and training NNs for pattern recognition, predictive modeling, and optimization tasks.
- **Communication:** Exceptional communication and interpersonal skills.

PROJECTS

Netflix Clone (MERN)

- Netflix-like app with MERN stack.
- Included user auth, movie browsing, watchlist, etc.
- Used MongoDB, Express.js, React.js, Node.js.

Spotify Clone(MERN)

- Built a Spotify clone with MERN stack and TypeScript.
- Used Cloudinary for media storage and streaming.
- Integrated Clerk for secure user authentication.

Parkinson's Disease

- Enhanced Parkinson's disease diagnosis using Meta-learning, GNN, GPT-2, and neural networks.
- Improved accuracy, precision, recall, and F1 score significantly.
- Research is under review for journal publication.

Dragonfruit stem disease

- Detected dragon stem disease using CNN, MobileNetV2, ResNet50, and ViT.
- Achieved high accuracy with optimized deep learning models.
- Research under journal review.

Student Information System

- Built a Student Information System with PHP and JavaScript.
- Integrated registration, grade tracking, and data management features.
- Improved usability with a secure, user-friendly interface.

PROFESSIONAL EXPERIENCE

Sentiment analysis Intern

IIT Guwahati | 06/2023 - 07/2023

- Utilized the Google API to translate Sentiment-140, a dataset for sentiment analysis, into various Indian languages.
- Implemented and trained a sentiment analysis model on the translated dataset using CNN, BiLSTM, and GRU. IndicBERT, IndicFT, and MuRIL pre-trained embedding models for Indian languages were used for word embedding
- Methodically assessed model efficacy through rigorous evaluation of accuracy, precision, F1 score, and recall metrics.
- Produced detailed reports summarizing model performance, contributing valuable insights into sentiment analysis in diverse linguistic contexts.

Relationship extraction Intern

NIT Trichy | 07/2024 (current)

- Conducting relationship extraction tasks using advanced NLP techniques to identify and classify relationships in unstructured data.
- Collaborating with researchers to optimize models and develop new algorithms for improved relationship extraction accuracy.
- Enhancing data preprocessing, feature selection, and model training processes through the application of machine learning techniques.

Participant in Student Skill Development

Programme on 3D Printing

PEC-AICTE IDEA Lab

- Demonstrated proficiency in 3D printing technology by completing program projects and optimizing printing processes through critical thinking and problem-solving.
- Collaborated effectively with peers to achieve project objectives, fostering a team-oriented approach to skill development.

CERTIFICATIONS

- Certificate in Introduction to AI and Machine Learning (Google Cloud).
- Professional Certificate in Career Essentials in Generative AI (Microsoft and LinkedIn).
- Certificate in Google Analytics (Google).
- Professional Certificate in Deep Learning (IBM).
- Certificate in Responsive Web Design (freeCodeCamp).
- Internship Certificate in Sentiment Analysis (IIT Guwahati).
- Certificate for Student Skill Development Programme on 3D Printing (PEC-AICTE IDEA Lab).
- Certificate of Completion in Cybersecurity (NIELIT).
- Certificate of Completion Data Visualisation: Empowering Business with Effective Insights (TATA Forage).