

Vibhavkrishnan KS

+91-7904716694 | ksvibhav@gmail.com | [in LinkedIn](#) | [GitHub](#) | [Codolio](#) | [Website](#)

EDUCATION

PSG Institute of Technology and Applied Research

Bachelor of Engineering (B.E.) in Computer Science and Engineering (CSE): CGPA: 9.09/10

Coimbatore, India

2020 – 2024

EXPERIENCE

Software Development Engineer

BNY Mellon Technology Private Limited

Aug 2024 – Present

Chennai, India

- Developed an intelligent interface using Eliza, BNY's enterprise AI platform powered by large language models, allowing support teams to retrieve application data without writing SQL.
- Led training sessions for teammates on BNY's AI platform, accelerating the adoption of advanced AI capabilities.
- Enhanced regulatory system email notifications and integrated critical data fields, resolving mapping challenges for accurate communication.
- Upgraded server security by replacing outdated protocols, safeguarding user data and ensuring compliance.

Research Intern

AU-KBC Research Centre

Jan 2024 – Jul 2024

Chennai, India

- Built **Transformer models** and applied them on financial text for causality extraction.
- Fine-tuned RoBERTa, a state-of-the-art transformer-based language model for natural language processing tasks, to detect cause-effect relations in financial disclosures, in FinCausal 2025 (COLING-2025 shared task).

Software Intern, Institute Automation Cell

Indian Institute of Technology, Palakkad [\[Certificate\]](#)

Mar 2024 – Apr 2024

Remote

- Contributed to dynamic front-end development using **Angular and Bootstrap** for course registration software.
- Designed a dynamic schema builder with advanced file input, overcoming key design challenges.
- Collaborated with peers and faculty in project execution, enhancing communication and project management proficiency.

Student Intern

SAP Labs India [\[Certificate\]](#)

Apr 2023 – May 2023

Remote

- Built a pipeline using AWS Lambda and Amazon Textract to process receipts and extract data.
- Integrated OpenAI to categorize items for sustainability analysis and generated a sustainability score.
- Led the team in project delivery, improving leadership and collaboration skills.

Machine Learning Intern

Indian Institute of Technology, Guwahati [\[Certificate\]](#)

Aug 2022

Guwahati, India

- Worked on **Data Visualization and Location Prediction of Tweets** project using RNN and Knowledge Graphs, developing models to significantly improve accuracy and interpretability for social media analysis.

PUBLICATIONS

CLRG@FinCausal2025: Cause-Effect Extraction in Finance Domain

FinNLP 2025 (ACL Workshop) [\[Link\]](#)

- Worked on extracting cause-effect relations from financial disclosures, which contain subtle causal cues. Fine-tuned RoBERTa, a Transformer-based model, to adapt to financial text and capture nuanced relationships. Achieved **96.04% accuracy in English**, securing **4th place worldwide**, and **96.07% accuracy in Spanish**, securing **6th place worldwide**.

Automated Animal Behavior Recognition using Hybrid Deep Learning Models

IEEE International Conference on Computer, Communication and Power Technology (ICCCPT 2025) [\[Link\]](#)

- Developed a system to monitor cat and dog behavior for health and welfare using a **custom dataset**. Built a hybrid model with VGG-16, ResNet-50, and LRCN to classify complex activities, achieving **91% accuracy**. Received the [\[Best Paper Award\]](#).

Hindi Handwritten Word Recognition using ResNet-50 CNN

International Conference on Next Generation Computing Systems (ICNGCS 2025) [\[Link\]](#)

- Addressed the challenge of recognizing Hindi handwritten words in low-resource environments. Trained a **ResNet-50 CNN** on a specialized dataset, achieving **97% accuracy**, while Google Cloud Vision OCR produced only 36% accuracy. Demonstrated the importance of language-specific resources and custom models for handwritten recognition.

EXTRA CURRICULAR ACTIVITIES

- NSS Leadership:** Served as Treasurer and team leader for NSS (National Service Scheme), a government-led community service program in India focused on personality development, leadership, and social responsibility through active participation in campus and community service activities such as health, education, environment, and social awareness initiatives.
- Technical Engagement:** Problem setter for college coding contests and active participant in technical symposiums conducted by other institutes. [\[Consolidated Achievements\]](#)