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EXPERIENCE

KPMG India

Bangalore, India

Digital Quality and Engineering Intern

Jan 2025 – Present

- Building a Similarity Search Engine for Software bugs and tickets in JIRA and other Bug reporting platforms.
- Using novel Sentence Transformers based approach to search for latest bugs and help report them and deployed on Microsoft Azure.

True Data Software

Pune, India

Full Stack Developer Intern (Remote)

August 2024 – October 2024

- Worked a user-friendly CRM system designed for lead and deal management, which reduced administrative tasks by 40 hours per month by automating reporting processes and improving user experience for sales teams.
- Worked on an ESD Dashboard for real time fetching from Raspberry Pico board using Wiznet W5500 Ethernet to be used by multiple clients.

iNeuBytes

Telangana, India

AIML Intern (Remote)

May 2024 – June 2024

- Worked on 3 Major tasks during the internship
- Task 1 - Trained a Random Forest Classifier and Ridge and Random Forest regression on a student performance prediction task to predict possibility of student moving for Higher studies. Also performed K Means clustering for Anomaly detection and achieved a silhouette score of 0.27. Achieved an MAE of 0.36 and an MSE of 1.87
- Task 2 - Trained a Convolutional Neural network and a VGG-16 architecture on MNIST Dataset
- Final Project - Naive Bayes Classification of Twitter Dataset. Trained Naive Bayes Classifier to achieve an accuracy of 87.36%

ISFCR , PES University

Bangalore, India

Research Trainee

May 2024 – June 2024

- Researched on Throughput prediction in Wireless IEEE 802.11 Networks using Transformers
- Trained a HuggingFace transformers and fine tuned it to predict the throughput of IEEE 802.11 Dense WLAN Deployment using TabTransformers and achieved a State of the art accuracy of 94%

EDUCATION

PES University

Bangalore, India

Bachelor of Technology in Electronic & Communication Engineering

2021 – Present

PES University

Bangalore, India

Minor Course in Computer Science & Engineering

2021 – Present

Sri Chaitanya PU Collegel

Bangalore, India

State PCMB (Physics, Chemistry, Mathematics, Biology) - 99%

2019 – 2021

PROJECTS

Prediction of Handover performance in 5G Cellular Networks

An approach to pre-emptive time series prediction of cellular handover failues on a synthetic dataset using LSTM and other models.

Accepted at the 13th International Conference on Information Technology and Science to be presented in June 2025

Multilabel Disease prediction using Ensemble Modelling

Trained a SegNet & a U-Net Model alongside VGG-16, CNN models to preemptively predict Diseases.Finally, ensembling all the models together to optimize the accuracy and performance and thus enabling faster disease prediction.

Hate Speech Detection using NLP - Deployed on IBM-Z

IBM-Z Datathon 2023

- An approach to sentiment detection on twitter tweets.
- Deployed the model on IBM-Z LinuxOne Instance.
- [A blog regarding this has been written here](#)

Web based escalation system

Nokia Corporations

- Worked on a web based system to escalate service provider and peer issues to third party vendors.
- Used Next JS as frontend and backend, and Microsoft Azure AD for authentication.

Expense Tracker Application

Nokia Corporations

- Working on a React native based Application for handling expenses both cash and UPI
- Used React Native Expo framework for frontend and Firebase backend and Google Cloud for Authentication.

Smart CRM SaaS Tool

True Data Software

- Engineered a comprehensive CRM for multiple clients to handle different leads, deals and organizations
- Used Express JS backend and React for frontend, also used Firebase for Authentication.

Pharma RAG ChatBot

- Developed an agent-based pharmaceutical knowledge chatbot utilizing the LLama 3.8B model, enhancing information retrieval and user interaction within the pharmaceutical domain.
- Integrated advanced frameworks including LangChain and Hugging Face to implement Retrieval-Augmented Generation (RAG) techniques, improving the chatbot's ability to provide accurate and contextually relevant responses.

ProctorX Non-Invasive Proctor Tool

- Non-Invasive Proctoring System using Vite frontend and express backend, built at Great Bengaluru Hackathon.
- Smart Proctor prevents all cheating methods similar to all online tests platforms.

AWARDS AND SCHOLARSHIPS

- **Second Place** out of 800+ teams at **IBM-Z Datathon 2023**
- **DAC Scholarship Award** from **PES University** for securing CGPA of 7.5+ in 1st semester.

SKILLS

Languages: Python, Java, C, C++, MySQL

ML/Stats: PyTorch, Tensorflow, HuggingFace, NLTK, pandas, NumPy, scikit-learn, seaborn, matplotlib

Artificial Intelligence Techniques: Deep Learning, Few-Shot Learning, Language Models, Natural Language Processing, Graph ML

Development Frameworks/Tools: Git, VS Code, Flask, Next.js, React.js, Linux Systems, IBM-Z, GNS3 Simulator, React Native, Expo

Cloud Tools: Microsoft Azure, Google Cloud Platform, Docker

SERVICES AND CLUBS EXPERIENCE

Club Head at QForest

Bangalore, India

PES University

Feb 2023 – May 2024

- Conducted a comprehensive workshop titled 'Introduction to Quantum Computing,' educating 90+ participants on fundamental principles and practical applications.
- Organized a 3-day online workshop at PES university, handling both operational and organizational tasks.
- Organized a 24-hour national level hackathon, Graviton 2.0, at PES University on April 6-7, 2024. Developed Strong Communication skills and handled various roles during the hackathon

Outreach Head at Jnaanada, Sanskrit Club

Bangalore, India

PES University

Jan 2024 – Present

- Executed comprehensive marketing campaigns from January to May 2024, leveraging social media and email marketing; boosted event attendance by 40%

Sankethi Head at Linguista, Language Club

Bangalore, India

PES University

Feb 2024 – Present

- Organized and tutored several learners to teach Sankethi language.