

YASHASWINI IPPILI

Computer Science and Engineering Undergrad, PES University, 7th Semester

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EDUCATION

PES University

2021 – 2025

B.Tech, CSE (MIDS - Machine Intelligence & Data Science) - 8.6/10.00 (3.55/4.00) Bengaluru, India

- **Relevant Coursework** : Statistics for Data Science, Data Analytics, Big Data, Machine Intelligence
- **CNR & DAC Scholarships** : Recognizing academic excellence with a GPA in the top 5% of the university.
- **Teaching Assistant** for the course "Software Engineering".
- **Won 2nd** in the "National Level Workshop in Graph Theory" held at Mount Carmel College.

EXPERIENCE

Slang Labs

June, 2024 - Present

Machine Learning Engineer

In-Person

- **Technologies Used** : Python, Generative AI

Exam Trakker

June - August, 2023

Front End Web Developer

Remote

- **Technologies Used** : Angular, NX, VCS

TECHNICAL SKILLS

Programming Languages: Python (Proficient), C/C++ (Intermediate)

Developer Tools: Visual Studio, Git, Bitbucket, Jira, Confluence, Jupyter Notebooks, Google Colab, Selenium

Machine Learning: PyTorch, pandas, numpy, scikit-learn, HuggingFace, NLTK, Transformers, DSPy

Cloud & Analytics: Firestore, MongoDB, SQL, Kafka, AWS, GCP

Web Development: HTML/CSS, ReactJS, Angular, JS, Bootstrap, Django, Flask

PROJECTS

Leaderboard for Custom LLMs | Python, Llama3-8b, DSPy, Claude-3.5, Gpt-3.5, Firestore, Gradio 2024

- Features head-to-head comparisons of LLMs where models are randomly paired and their names remain undisclosed until after the user selects the better response.
- Utilizes a human vote-based Elo-rating system to evaluate and rank LLM performance on prompt generation quality, with results stored in a Firestore database.

Generative AI Chatbot | Python, Llama2, Huggingface, Langchain, Transformers, Selenium 2023

- **Won 2nd Runner Up (Top 3 Nationalist Final Teams):** Hack'E'lth hosted by General Electric.
- Processed thousands of PDFs by automating the download, text extraction & preprocessing.
- Utilized the cleaned data to train a multilingual bot capable of answering questions about installations, manuals, services, and maintaining auto-updated transcripts.

Medical Analysis with Generative AI | Python, Llama2, HuggingFace, LLaVA 2023

- **Top 10 Nationalist Final Teams** in EY Techathon.
- Analyzed symptoms and generated respective prescriptions for various illnesses using generative AI.
- Implemented LLaVA to process images, resulting in accurate diagnostic suggestions.

Spam Detection in YouTube Video Comments | LIME, SHAP, Python 2022

- Established a spam detection system using LIME and SHAP techniques to differentiate between spam and legitimate comments.
- Improved comment moderation with a precision rate of 90%.

POSITIONS OF RESPONSIBILITY

Club Head, The Alcoding Club : Successfully organized and conducted 10+ hackathons with 40+ teams.

Co-Tangent, Shunya : Successfully hosted Ideathons, Hackathons, and other events with 300+ participants.

Web Developer, AIKYA : Developed the official website in collaboration with a team of 5+ members.

Operations, Apple Developer's Group : Managed the team and ensured the smooth functioning of the club.

EXTRACURRICULARS

Languages: English, Telugu, Kannada, Hindi, Spanish(Basic)

Sports: Inline Skating, 5k running, Basket Ball, Badminton, Swimming

Hobbies: Collecting stamps & currency, Exploring new cuisines, Photography, Music enthusiast, Reading books