

# YASHASWINI IPPILI

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

☎ Phone ✉ Gmail 🔗 LinkedIn 🌐 GitHub 📁 Portfolio

## EDUCATION

### PES University

2021 – 2025

*B.Tech, CSE (MIDS - Machine Intelligence & Data Science) - 8.60/10.00 (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 20% 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, DSPy, VCS
- Researched and implemented 3 novel innovations to improve the accuracies of LLMs.
- Provided data analytics support by analyzing existing data and evaluating new tools using multiple LLMs.
- Experienced as a technical blog writer. Please check out my latest blog here: 🔗

### Exam Trakker 🔗

June - August, 2023

*Front End Web Developer*

*Remote*

- **Technologies Used** : Angular, NX, VCS
- Spearheaded the development of a dynamic and responsive front end for their product.
- Troubleshoot and resolved various glitches and bugs to enhance user experience.

## 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.

### Research Paper Management System 🔗 | Web Scraping, SQL, Streamlit, Docker

2023

- The CSE department at my college employs RPMS.
- Developed by scraping Google Scholar data, This scraped data is then transferred to SQL and used for the frontend.

## 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