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
- **Distinction Award Scholarship :** For securing an SGPA of 7.75+
- **Won 2nd** in the "National Level Workshop in Graph Theory" held at Mount Carmel College.

EXPERIENCE

Slang Labs ↗   **June 1, 2024 - Present**
Machine Learning Engineer   *In-Person*
- **Technologies Used :** Python, Generative AI

Exam Trakker ↗   **June 7, 2023 - August 7, 2023**
Front End Web Developer   *Remote*
- **Technologies Used :** Angular, NX, VCS

TECHNICAL SKILLS

Programming Languages: Python (Proficient), C/C++ (Intermediate), Java (Moderate), R (Moderate)
Developer Tools: Visual Studio, Git, Bitbucket, Jira, Confluence, Jupyter Notebooks, Google Colab, Selenium
Machine Learning: PyTorch, pandas, numpy, scikit-learn, HuggingFace, NLTK, Transformers
Cloud & Analytics: MongoDB, SQL, Hadoop, Spark, Kafka, Hive, AWS, GCP, Azure
Web Development: HTML/CSS, ReactJS, Angular, JS, Bootstrap, Django, Flask

PROJECTS

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.

Fake News Detection ↗ | Python, scikit-learn   **2022**
- Collected, preprocessed, and analyzed a dataset of 24,000 fake news articles and 21,000 real news articles.
- Engineered numerical features using TF-IDF vectorization and achieved a 95% accuracy rate with a Multinomial Naive Bayes classifier.

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