PRAHLAD PALLAV

Indian Institute of Technology Delhi

@ prahladpallav147@gmail.com · +91-8826626035 · Bengaluru, India · [Portfolio] · [GitHub]

EXPERIENCE

Software Engineer

Brigosha Technologies Private Limited

📅 September 2023 – Ongoing 📍 Bengaluru, India

- Developed a **Streamlit webapp** that enables users to upload PDFs and images of handwritten notes for content extraction, achieving approximately **87%** accuracy.
- Engineered advanced **machine learning** algorithms to accurately extract handwritten text from images, optimizing the user experience and increasing data processing efficiency by **40%**
- Pioneered a global educator platform using the **MERN** stack, enabling seamless connections and knowledge sharing, leading to **40%** user growth and increased engagement.
- Implemented innovative features in **React.js** such as personalized learning paths and interactive assessments, resulting in a **50%** increase in user satisfaction and a **20%** decrease in dropout rates.
- Leveraged HTML, CSS, JavaScript, ReactJS, Tailwind CSS, APIs, JSON, Node.js, Express, MongoDB, AI/ML

Front End Developer

Mobishaala Edutech Private Limited

📅 June, 2022 - July, 2022 📍 Bengaluru, India

- Coordinated the development of a fully functional multi-tiered **web application** with 5 levels and 20 sublevels, significantly elevating user experience and performance metrics by **40%** overall
- Consolidated **Axios API** calls, reducing data retrieval time by **30%** and achieving a **50%** improvement in application responsiveness through efficient data caching and optimized request handling
- Harnessed HTML, CSS, JavaScript, ReactJS, Bootstrap, APIs, JSON, and NPM packages to develop web apps

RELEVANT COURSES

- **CS Courses:** Intro to Operating Systems, Networks, DBMS, Data Structures and Algorithms, Machine Learning, Deep Learning.
- **Finance Courses:** Intro to Equity Market, Technical Analysis, Fundamental Analysis, Derivative Market, Financial Modelling and Valuation.

EXTRA CURRICULAR ACTIVITIES

- **Design Executive, Hindi Samiti, BRCA, IIT Delhi** Conceptualized and executed innovative designs and creative activities, fostering cultural and literary engagement through impactful events and initiatives.
- **Executive, Blood Connect Foundation, India** Organized and led impactful awareness campaigns and blood donation drives, creatively engaging communities to promote the mission of saving lives.

EDUCATION

B.Tech. (Engg. Physics) - 7.577 CGPA

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📅 July 2019 – August 2023

PROJECTS

Ed-Tech Platform [Code] [Live]
- Developed an immersive edtech platform using the **MERN** stack, improving accessibility and boosting user engagement.
- Built a education platform for leaners using MERN, enabling seamless collaboration and knowledge sharing.

Stock Analysis App [Code] [Live]
- Led the development of a sophisticated Streamlit web application for in-depth, real-time analysis of NIFTY 50 stocks, leveraging **Python, Pandas, Plotly, and yfinance**.
- Enhanced user engagement through interactive features and customizable visualizations, providing an intuitive and comprehensive analysis experience.

LLM Elevation Platform [Code]
- Built and optimized a LLM evaluation platform with a **Reactjs** frontend and a **Python** backend using **FastAPI**, enabling seamless model inference and evaluation.
- Successfully integrated and evaluated multiple AI models, including **Groq, Gemini, and LLaMA 3**, while setting up and troubleshooting Ollama for efficient execution and deployment.

Link Shortner [Code]
- Built a dynamic Link in Bio application using **Next.js**, showcasing portfolios, projects, and social links.
- Implemented responsive UI, **SEO optimization**, and social media previews using Tailwind CSS & Open Graph.

TECHINAL SKILLS

- **Programming Languages:** C++, Java, JavaScript, Python.
- **Web Development:** HTML, CSS, Tailwind CSS, React, Redux, Express, Mongodb, Mongoose, Node, SQL, APIs.
- **Artifical Intelligence :** TensorFlow, Pandas, PyTorch, Scikit Learn, Keras, OpenCV.