Supritha Rao Mamindlapelly
Software Developer

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Profile

My ability to combine creativity and knowledge allows me to create user-friendly interfaces and seamless experiences. Skilled in several programming languages and frameworks, I go above and beyond by incorporating state-of-the-art technology. With a strong dedication to quality, I provide enduring solutions that captivate and amaze.

Professional Experience

Associate Software Developer Intern *(PossibleWorks)*   **Hyderabad, Telangana** *May 2023 - Aug 2023*

- Developed and maintained web applications using React for the frontend and Node.js with Express for the backend
- Designed and implemented database schemas using PostgreSQL for efficient data storage and retrieval.
- Created comprehensive feedback dashboards integrating analytics, pending actions, and completed actions to provide actionable insights.
- Implemented Single Sign-On (SSO) authentication functionality, integrating with platforms such as Google and Microsoft login.
- Resolved numerous bugs and tasks across critical modules including goals, year-end, and normalization to enhance system functionality and user experience.
- Solved complex technical challenges and troubleshooted issues to ensure optimal performance and reliability of the system.
- Specialized in developing and enhancing specific modules of the performance management system, including Feedback, goals, Normalization and Year End modules
- Conducted code reviews, testing, and documentation to maintain high code quality and standards.

AI/ML and Flutter Intern *(CDAC-Hyderabad)*   **Hyderabad, Telangana** *Oct 2023 - Mar 2024*

- A deepfake detection application integrating a tflite model in flutter and also implemented REST apis in flutter under the supervision of Tapas Saini, Joint Director at CDAC

AI Intern *(Upskillz)*   **Hyderabad, Telangana** *Apr 2023 - May 2024*

- Libraries used: Keras, Matplotlib, Sklearn, Seaborn, OpenCV.
- Models Built: Heart disease prediction, face detection, clustering.

Projects

HalfWay

- Created an advanced traffic management system that offers real-time traffic data and forecasts for route planning, recommends alternate routes to avoid congestion, provides offline map downloads, and includes public transport and electric vehicle options for easier commuting.
- Technologies Used: Flutter, HERE SDK.

Layop   **UNESCO**

- Designed a Flutter app with integrated machine learning to assist slow learners, using a self-created dataset called "Slow-learner prediction" for personalized education.
- It tracks progress, oers motivation through games and videos, encourages creativity with a built-in writing pad, and responds to voice commands for a user-friendly experience.
- Technologies Used: Flutter, SVM, data visualization, OCR, voice recognition

ProjectPay   **UGC**

- Created an automated project progress monitoring system for HEIs funded by government and private agencies, facilitating project ranking and seamless payment transactions.
- Simplied the process of connecting colleges with suitable funding agencies and HEIs for project collaboration and funding opportunities.
- Technologies used : VanillaJS, Firebase, Razorpay payment gateway.

Swahar

- Built a food ordering website with good authentication procedures and functionalities like add to cart and search with a robust database MongoDB.
- Technologies used : React, NodeJs, ExpressJs, MongoDB.

MemoryLane
- Developed an album website that gives a nostalgic vibe with carefully designed UI and React animations.
- Technologies Used : React.

Chatbot of NewsPaper
- Libraries : NLTK, Cosine similarity.

Twitter Sentiment Analysis
- Libraries : NLP

Email Spam Detection
- Libraries: SkLearn, Tfidf Vectorizer.

Skills

- **Programming Languages:** C,C++,Python

- **Development Languages:** HTML, CSS, JavaScript, React,TypeScript

- **Stack:** MERN, PERN

- **Databases:** Firebase,PostgreSQL,MongoDB,MySQL

- **Machine Learning:** NLP,Keras,TensorFlow,SKLearn

- Flutter

- Git

Accomplishments

- Won **Smart India Hackathon 2022** for the 1st time in our college, competing 5 teams All over India

- Led an International team of for **UNESCO INDIA AFRICA Hackathon 2022** with over 600 participants and stood as Runner Up

- Stood in Top 10 in Catalog Hackathon

- Stood 4th at Project Expo in CSI Fusion with over 25 participants from different colleges

- Scored a total of 691/800 in CoCubes Test

- Grand Finalist of **Miss Asia International 2023** competing with around 1000 participants, received great score in public speaking

Education

B.E. Computer Science *MVSR Engineering College* **Hyderabad, Telangana** *2020-2024*
  CGPA:8.4

Intermediate *Narayana Junior College* **Hyderabad, Telangana** *2018-2020*
  CGPA:9.8

High School *Tejaswi High School* **Hyderabad, Telangana** *2017-2018*
  CGPA:10.0

Certifications

- MongoDB NodeJs developer Path -2024

- Cognizant Virtual Experience Program - 2022

- Goldman Sachs Virtual Experience program - 2022