Mekala Jaya Nanda Prabhas

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Objective

Driven and curious technologist eager to build innovative, large-scale solutions while thriving in a fast-paced, collaborative environment. Passionate about AI, problem-solving, and optimizing digital systems to make a real impact.

Skills

- **Languages:** Python, Java, C
- **Primary Skills:** Data Structures and Algorithms, Databases (MySQL)
- **Web Development** HTML, CSS, JavaScript, Node.js(Basics).
- **Soft Skills:**Leadership, Time Management, Public Speaking, Adaptability, Creativity.
- **Languages Known:** English (Advanced), Telugu (Native), Hindi (Basic).
- **Additional Technical Skills:** Machine learning basics ,Basic PyTorch, basic quantum computing with Qiskit.
- **Tools:** Git, Google collab, Jupyter, VS-code.
- **Design & Multimedia Software:** Adobe Photoshop, Adobe After Effects, Adobe Premiere Pro, Adobe Illustrator.

Education

Velagapudi Ramakrishna Siddhartha Engineering College	Sept 2023 – May 2027 (Exp)
B.Tech - Information Technology	CGPA: 9.11 / 10.0 (till date)

Certifications

- Programming Essentials in **Python** and **C** from **CISCO**
- **The Joy of Computing using Python** from **NPTEL**
- Certified in **Python (Basic)** and **Problem-Solving Skills** from **HackerRank**
- Digital Marketing certificate from **Google Digital Garage.**

Workshops

- Web development **MERN Stack** and **C** from **BITS Pilani, goa campus**
- **DSA Training** from **GeeksForGeeks**
- **Data Analytics workshop** from **APSDC**

Achievements

- **7th** Rank in **TechXelerate National Level Hackathon** at **BITS Pilani Goa**
- **GeeksForGeeks** 140+ problems with 450+ score(75+ days streak)
- Ideathon winner in **NEXORIA** event by CSI Student Chapter, IT Department, VRSEC
- Website developement winner in **NEXORIA** event by CSI Student Chapter, IT Department, VRSEC

Projects

Study Buddy (in progress):

- The personalized AI tutor gives an immersive learning experience with a 3D avatar that speaks in real time with the user (powered by AI), visual explanation, and provides the learning path.
- Integrated virtual laboratories for practical learning to satisfy the curiosity of students while ensuring safety without real equipment.

- **Tech Stack:** React, Node.js, Three.js, Express.js, MongoDB

Roomify:
- Roomify is a user-friendly interior design platform that lets users create and visualize designs in a 3D workspace, view them in real-time AR, and get AI-generated room recommendations from empty room photos.
- **Tech Stack:** Node.js, Three.js, Express.js, MongoDB, Flask, SQLite

AR powered Jewellery Try-on:
- An AR-powered Jewelry Try-On allows users to virtually try on jewelry in real time using their smartphone or webcam. The technology uses augmented reality to overlay realistic 3D models of rings, necklaces, earrings, and more onto the user's image. This enhances the shopping experience by providing a lifelike preview before purchase, reducing guesswork and returns.
- **Tech Stack:** ARKit, ARCore, Three.js, MongoDB, React.js, Node.js

Leadership and extracurricular activities:

- Google ads manager and Social Media Handling for Iskcon's Jagannath Rath Yatra, vijayawada.
- Working as Photo Editing and Short form Video editing Freelancer for past 3 years and continue to do so.
- Host for Siddhartha Nrutyotsav
- Completed a series of instagram reels on making my portfolio and learning in public.
- Hosted a Wordpress website with technology blogs for 1 year in my Highschool