GURUGUBELLI SANJAY

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OBJECTIVE

Seeking a challenging position in **full-stack development** to leverage my expertise in **front-end and back-end technologies**. Aiming to contribute to innovative projects at the intersection of **modern web frameworks** and practical problem-solving in fields such as **e-commerce, social media, and data analytics**.

EXPERIENCE

• **Prodigy Systems and Services [⊕]**   June 2023 - July 2023
Intern   Hyderabad, India
  ◦ Established a VPN service for the organization by utilizing the PF-SENSE open-source service for remote working services.
  ◦ Worked on Microsoft teams and also worked on ADDS and learned how to create and establish an windows server
  ◦ Created an ADC for backup purposes in case of ADDS failure, learned how to host an application on IIS, blocking unwanted site access using group policy objects and deploying software on multiple systems in a domain using Group policy object.
  ◦ Worked on email migration from google workspace to Microsoft 365 and also worked on AWS cloud services and instances.

EDUCATION

• **Gayatri Vidya Parishad College Of Engineering**   *April 2020 - May 2024*
B.Tech Computer Science Engineering   Visakhapatnam, India
  ◦ GPA: 8.73/10

• **Prathiba Junior College**   *March, 2020*
M.P.C   Srikakulam, India
  ◦ GPA: 9.4/10

• **Sun School**   *March 2018*
Secondary Education   Srikakulam, India
  ◦ GPA: 10/10

PROJECTS

• **Zerodha Clone – Full-Stack Trading Dashboard Clone**
Tools: [React | Node.js | Express | MongoDB | Bootstrap]   [⬡]
  ◦ Developed a Zerodha clone to simulate a stock trading dashboard for learning full-stack application architecture and frontend-backend integration.
  ◦ Implemented React and Bootstrap for responsive UI components, achieving a clean, user-friendly experience similar to the original trading platform.
  ◦ Created user authentication and session management using JWT and Express middleware, ensuring secure access to protected trading features.
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• **Video Conferencing App**
Tools: [React | Node.js | Express | Socket.io | WebRTC]   [⬡]
  ◦ Developed a Zoom clone to enable real-time video conferencing between multiple users, replicating core functionality of modern video meeting platforms.
  ◦ Implemented WebRTC and Socket.io for peer-to-peer video/audio communication and real-time signaling, achieving low-latency interaction between participants.
  ◦ Created custom meeting rooms and unique user IDs, ensuring seamless room creation and private session access.
  ◦ Applied Node.js and Express server for managing socket connections and signaling events, enabling scalable and robust backend support.

• **Preference Learning-Based Recommendation System**
Tools: [Python | Streamlit | Machine Learning | TMDb API]   [⬡]
  ◦ Developed a movie recommendation system aimed at resolving the cold start problem by incorporating a user preference learning model.

- Implemented Bhattacharyya similarity and collaborative filtering to generate recommendations, improving accuracy for users with limited interaction history.
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- Applied content-based and preference-learning methods to analyze user input traits and provide relevant suggestions in cold start scenarios.

SKILLS

- **Programming Languages:** C , C++ , Familiar : Python , Java
- **Web Technologies:** Html , CSS , Javascript , Bootstrap , ReactJS , Express, EJS , NodeJS
- **Database Systems:** MongoDB, postgresql
- **Course Work:** Computer Networks, OOPS, DBMS
- **Other Tools & Technologies:** Git , Github , Docker , Postman, Microsoft Office suite (Intermediate), Linux OS, Metasploit, Wireshark, Microsoft Power BI, Maltego frame works (Basic)

CERTIFICATIONS

- **The Complete 2023 Web Development Bootcamp by Dr. Angela Yu (UDEMY)**
- **Learn Ethical Hacking from scratch by Zsecurity (UDEMY)**
- **The complete Python Bootcamp by Jose Portilla (UDEMY)**