HARSHAL PATIL

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WORK EXPERIENCE

Web Development Intern   April 2025 – Present
Sri Sri Distributor Private Limited , Remote
- Developed inventory dashboards and maintained internal web applications to support business operations.
- Collaborated with the team to ensure responsive and user-friendly UI components using **React**.

PROJECTS

CodeKerf – Online Collaborative Code Editor | *GitHub Live*   Jan 2025 - Feb 2025
Tech Stack : React, CodeMirror, Node.js (Express), MongoDB, Socket.io, Docker, AWS EC2
- Developed and deployed a real-time collaborative code editor with multi-language (C++, Python, Java) support in secure, Docker-isolated environments.
- Built **RESTful APIs** and implemented session persistence **using MongoDB** for robust backend architecture.
- Enabled seamless client-server **synchronization and real-time** collaboration using Socket.io.
- Deployed the platform on **AWS EC2** with Docker Compose, supporting **dynamic session link generation** for distributed users.

JobDrop – Job Match Resume Platform | *GitHub Live*   Nov 2024 - Jan 2025
Tech Stack : MongoDB, Express, React, Node.js, Passport.js, JWT, Multer, pdf-parse, mammoth, Hugging Face APIs.
- Developed a full-stack MERN web application that classifies job domains using **Hugging Face's** zero-shot **NLP models**.
- Integrated **5+** third-party services and implemented **10+ dynamic filters**, enhancing job search usability.
- Implemented secure **authentication** and access control using JSON Web Tokens (JWT) and **Google OAuth2**.
- Processed 200+ resumes with high **data extraction accuracy**, increasing platform efficiency.

Social Media Post Sentiment Analysis | *GitHub Live*   July 2024 - Aug 2024
Tech Stack : HTML, CSS, Flask, Python, NumPy, Pandas, NLTK, H5, Pickle, TensorFlow, Keras
- Designed an AI/ML model served with **Flask backend APIs**, deployed via Render.
- Employed TensorFlow and bi-LSTM models with ~90% accuracy for **real-time sentiment classification**.
- Applied **automated NLP preprocessing** (NLTK) and integrated front-end using Jinja2 templates.

SKILLS

- **Relevant Coursework :** Data Structures and Algorithms, Object-Oriented Methodologies, Database Management Systems, Operating Systems, Computer Networks
- **Programming Languages :** C++, Python, SQL, HTML, CSS, JavaScript
- **Backend/Frontend :** Node.js, Express.js, React.js
- **Databases :** MongoDB. MySQL
- **Tools/Technologies :** Git, REST APIs, VS Code, LaTeX, Excel, AWS Cloud

CODING PROFILE

- **Codeforces:** Max Rating: **1328**
- **LeetCode: 250+** problems solved, Contest Rating: **1650(Max.)**

ACHIEVEMENTS

- Achieved top 16.81% ranking on LeetCode.
  - Ranked 5169/32425 in LeetCode weekly contest.

EDUCATION

B.Tech in Smart Manufacturing   Aug 2021 - May 2025
Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram
Higher Secondary (CBSE)   July 2018 - March 2019
Jawahar Navodaya Vidyalaya Chandrapur, Maharashtra
Secondary (CBSE)   July 2016 - March 2017
Jawahar Navodaya Vidyalaya Chandrapur, Maharashtra