Sampann Tiwari

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Pune

Profile

Analytical and detail-oriented MCA student skilled in data analysis, predictive modeling, and problem-solving. Proficient in Python, SQL, and machine learning libraries with experience in building data-driven applications and insightful visualizations. Adept at deriving actionable insights from complex datasets.

Education

Indira College of Engineering and Management (Ongoing)	8.4 CGPA
Master of Computer Applications (MCA)	
Dr. D. Y. Patil ACS College (2020–2023)	8.6 CGPA
Bachelor of Science in Computer Science	
Bhonsala Military College (2018–2019)	65%
HSC	
Bhonsala Military School (2016–2017)	83.8%
SSC	

Skills

Frontend: HTML, CSS, JavaScript, React.js, JSP
Backend & Frameworks: Python, Java, Django
Databases: PostgreSQL, SQLite, SQL
Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, TensorFlow
Soft Skills: Analytical Thinking, Problem Solving, Communication, Collaboration

Projects

Sales Forecasting with Random Forest Regression | Python, Pandas, scikit-learn
• Built a predictive model to forecast monthly sales using Random Forest Regression.
• Cleaned and pre-processed large datasets and visualized performance for business insights.
• Tuned hyperparameters and optimized model accuracy through feature engineering.
• Delivered actionable insights via trend analysis and visual dashboards for decision-makers.

ShareSawaari – Intercity Ride-Sharing PWA | React, Django REST Framework, PostgreSQL, JWT, PWA   Live
• Built a full-stack intercity ride-sharing platform enabling users to post, search, and book rides with real-time seat availability.
• Implemented secure authentication and authorization using JWT, along with role-based features for drivers and passengers.
• Developed a Progressive Web App (PWA) with offline support, install ability, and push notification architecture for ride updates.

EduForum – Smart Academic Forum & Chatbot System | React.js, Node.js, Express.js, PostgreSQL   Code
• Built an educational platform integrating AI chatbot and role-based communication.
• Designed data flow and backend integration with PostgreSQL for analytics and insights.
• Implemented JWT and Google OAuth authentication ensuring data security across users.
• Optimized API response time and improved performance for concurrent real-time interactions.

Achievements

• Presented research paper at a national conference
• President of MCA Department – Student Council
• National-level participant in strength lifting & bench press
• Rank holder in Military College