RUSHEEL VIJAY SABLE

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA   Los Angeles, California, United States
Master of Science in Computer Science (Data Science)   Aug 2025 - Present
Key Coursework: Analysis of Algorithms, Database Systems.

DR. VISHWANATH KARAD MIT-WORLD PEACE UNIVERSITY   Pune, India
Bachelor of Technology (B.Tech) in Computer Science and Engineering | **CGPA: 9.07/10**   Dec 2021 - May 2025
Key Coursework: Artificial Intelligence and Expert Systems, System Software and Compiler Design.

WORK EXPERIENCE

MARKYTICS.AI   Pune, India
Full Stack Developer Intern / Generative AI Intern   Jan 2025 - June 2025

- Led a **3-member team** to create 3 full-stack (Django and React) web apps with AI chatbots and social features, boosting user engagement by **25%.**
- Proposed and launched a DeepSeek voice-enabled chatbot, handling **500+** monthly interactions at **94%** accuracy and reducing manual query handling by **40%.**
- Partnered with product managers and data scientists to deliver analytics dashboards and forecasting tools (React.js, Node.js, PostgreSQL) for 3 business units, cutting analyst time by **50%.**
- Built a GPT-powered PDF extraction tool for Cycle Pure Agarbatti (Blinkit & Instamart), processing **1,000+** purchase orders/month and accelerating client order handling by **30%.**

MODI INNOVATIONS PRIVATE LIMITED   Aurangabad, India
Data Analyst Intern   Jun 2024 - Aug 2024

- Delivered multiple Power BI dashboards to track sales, service, and inventory KPIs across 2 departments, boosting reporting efficiency by **40%**.
- Developed ARIMA, SARIMA, and Prophet forecasting models with **20%** higher accuracy, cutting stockouts by **25%.**
- Enhanced model reliability through data cleaning and feature engineering, minimizing inconsistencies by **30%.**
- Presented insights to senior leadership, influencing resource allocation across **5 product lines**.

ACADEMIC PROJECTS

Attendance System Using Facial Recognition   Sept 2024 - Oct 2024

- Directed development of a multi-camera facial recognition system (OpenCV, TensorFlow, Flask) achieving **96%** real-time accuracy across 3 classrooms (**100+** students).
- Published findings in JETIR Research Journal, showcasing scalability for institutional use.

Alzheimer Detection using MRI Images   Jan 2024 - Feb 2024

- Designed and trained a CNN model (TensorFlow, Keras) on **5,000**+ MRI images, reaching **94%** accuracy and cutting down the diagnostic time by **15%.**
- Research featured in IJCRT Research Journal, demonstrating innovation in early detection techniques.

Bone Fracture Classification   Aug 2023 - Sept 2023

- Spearheaded development of an Xception-based model that outperformed baseline CNNs by **2%** accuracy on **3,000+** X-ray images.
- Leveraged data augmentation and transfer learning to enhance model performance on limited datasets.

FOMS - Food Online Delivery System   Oct 2022 - Nov 2022

- Coordinated end-to-end design of a full-stack food delivery platform handling **200+** simulated orders/day, with AI-based chat and voice ordering.
- Optimized database performance, lowering processing latency by **20%.**

SKILLS

- **Programming Languages and Libraries:** Python, R, SQL, PostgreSQL, Java, C, C++, HTML, CSS, PHP, ReactJS, Django, GitHub.
- **Data Science Tools:** TensorFlow, Scikit-learn, Power BI, Tableau, NLP, PySpark, Keras, OpenCV, Pandas, Numpy, Seaborn.
- **Big Data & Cloud:** Hadoop, Spark, AWS, Google Cloud, MongoDB.
- **Soft Skills:** Critical Thinking, Leadership, Project Management, Communication, Agile Methodology, Problem Solving, Collaboration.