RISHITA MANTRI

rishitamantri28@gmail.com | +91 8839673900

Aspiring analyst with hands-on experience in product analytics, AI projects, and data-driven decision-making; proficient in Python, SQL, Tableau, and stakeholder engagement.

EDUCATION

Mukesh Patel School of Technology Management & Engineering, Mumbai *Jun 2021 – May 2025*
Bachelor of Technology, Computer Engineering   GPA – 3.57/4.0
Relevant Coursework: Artificial Intelligence, Machine Learning, Deep Learning, Big Data Analytics, Python, Natural Language Processing, Mathematics, Cloud Computing, Data Structures & Algorithms

WORK EXPERIENCE

Project Management & Backend Development – Cidrus Technologies, Bangalore *Nov 2024 – May 2025*
- Managed 5+ enterprise client projects, ensuring on-time delivery and stakeholder alignment
- Led development of an AI-powered stylist recommendation engine, improving personalization accuracy and backend performance
- Optimized backend systems for Oracle, improving API performance and boosting integration speed by 25%
- Directed stakeholder strategy for the Society Management Platform, resulting in a 35% improvement in service ticket resolution speed and enhanced end-user experience
- Liaised with cross-functional teams and translated business needs into technical specs, improving delivery alignment across teams

Social Media Manager - TravoZone, Mumbai *Jan 2024 – Apr 2024*
- Spearheaded impactful content for Instagram and Facebook, implemented consistent branding, and fostered collaborations with 6 influencers, resulting in a 26% increase in daily engagement within 1 month

RESEARCH AND PUBLICATIONS

Bridging Art & Fashion: AI-Driven Techniques for Seamless Design Intergration, Mumbai *Aug 2024*
Presented at the *International Conference on Applications of AI and ML (ICAML), 2025*
- Introduced cutting-edge AI techniques, including GAN and CNN models, to bridge the art-fashion divide, achieving 15% faster design iterations and high-quality artwork transfer onto fabrics with processing times under **1** second per image

From Data to Strategy: Harnessing Artificial Intelligence in Brand Analysis, Mumbai *Mar 2024*
- Explored predictive analysis methodologies and machine learning algorithms, highlighting their integration into brand management practices and their impact on forecasting market trends and consumer behavior
- Demonstrated the transformative potential of data-driven insights and AI-driven technologies in driving brand innovation, optimizing operational efficiencies, and establishing competitive advantage

ACADEMIC PROJECTS

Fabric Defect Detection *Sep 2024*
- Achieved 87% accuracy in detecting textile defects using deep learning models (ResNet, VGG16, InceptionV3), simulating improved inspection efficiency by 50% and reducing defect identification errors by 30% in test datasets
- Explored AI-driven defect detection processes in test datasets, simulating real-world scalability, and operational efficiency

Pixel to Pronunciation: Image-to-Speech Model for Elderly People *Aug 2024*
- Developed an innovative AI model designed to enhance accessibility for elderly and visually impaired individuals by converting images into spoken words
- Built and trained an AI model on 40,000+ captions and 8,000 images, achieving 90%+ image-to-speech accuracy in experimental settings

Twitter Sentiment Analysis *May 2024*
- Analyzed a curated 60,000-sample Twitter dataset using NLP techniques, achieving 85% classification accuracy for positive, negative, and neutral sentiments, utilizing NLTK and Scikit-learn for tokenization, feature extraction, and sentiment scoring

Peace Pal: Intelligent Mental Health Bot *May 2024*
- Developed a rule-based mental health chatbot, boosting engagement by 40%, cutting response time by 50%, and increasing satisfaction by 35%

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Joint Secretary, The Research Cell, MPSTME, Mumbai *Jun 2022 – May 2023*
- Led 7+ academic events with 1,800+ attendees; mentored 100+ students in research writing

HOD - Publicity, IETE, MPSTME, Mumbai *Jun 2022 – May 2023*
- Managed a 15-member publicity team, securing 200+ participants from top institutes like IIT-Bombay for the National Project Display Competition

Head Assistant, Taqneeq, Mumbai *May 2022 – Jul 2022*
- Planned a 24-hour long hackathon in college, providing a platform for 350 students to showcase their technical skills and creativity

SKILLS

Languages – English (Fluent), Hindi (Native), Spanish (A1), French (A1)
IT Skills – Python (Pandas, TensorFlow, Scikit-learn), R, MySQL, SAS, Tableau, MS Excel, Power BI, Gen AI, AWS
Certifications – Data Analysis with R by Duke University (2025), AI Product Management Specialization by Duke University (2024), Creation & Branding, Retail & Customer Experience by LVMH (2024), The Complete Digital Marketing Course by Udemy (2023)