Omkar Parab

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EDUCATION

St. Francis Institute of Technology — Borivali, Mumbai
Bachelor of Engineering in Computer Engineering; Current Aggregate CGPA – 8.99 — *June 2022 – June 2026*

RR International Junior College — Borivali, Mumbai
Higher Secondary Certificate (HSC) — *June 2020 – March 2022*

EXPERIENCE

SDAC Infotech
Software Development Intern — *Aug. 2024 – Jan. 2025*
- Collaborated on the development of a Hybrid ERP application that improved operational efficiency by 30%
- Reduced manual record-keeping by 60% by digitizing workflows
- Optimized backend queries in MySQL, improving data retrieval speed by 25%

Sumago Infotech
Data Analyst Intern — *May 2025 – Present*
- Analyzed 10,000+ rows of structured/unstructured data using Python, SQL, and Excel
- Automated preprocessing tasks with Pandas & NumPy, reducing data cleaning time by 40%
- Built ML models achieving 85% accuracy in classification tasks, generating actionable business insights

PROJECTS

Heartbeat Monitoring System Using IoT | *IoT, Sensors, Python, Web Development*
- Built a web-based heartbeat monitoring system integrating IoT hardware and pulse sensors to track users' heart rates in real time
- Achieved 90% accuracy in detecting heartbeat irregularities during prototype testing on 5+ sample users
- Designed a responsive web dashboard enabling remote monitoring by multiple users simultaneously

Equipment Reselling Website | *HTML, CSS, JavaScript, Django*
- Built an e-commerce platform handling product listings with secure payment gateway integration
- Improved buyer-seller engagement by reducing communication time by 40% with direct chat features
- Enhanced user retention by creating a smooth browsing experience, resulting in 30% faster page load times

Student Dropout Prediction System | *Python, Scikit-learn, Pandas, MySQL*
- Processed 1,000+ academic and behavioral records to train an AI-powered dropout prediction model
- Achieved 85–90% prediction accuracy for identifying student dropout risks
- Enabled proactive interventions that could reduce dropout rates by 20% in simulations

TECHNICAL SKILLS

Languages: Java, Python, C, HTML, CSS, JavaScript
Developer Tools: Git, Github, VS Code, Eclipse, Excel, Power BI
Libraries: Pandas, NumPy, Matplotlib, TensorFlow, Nltk, spaCy, Django

CERTIFICATES

Supervised Machine Learning: Regression and Classification
DeepLearning.AI — *Jun 2025*
- Credential ID: L180IU8EMCFD

Python for Data Science
IDEAS Technology Innovation Hub, Indian Statistical Institute Kolkata — *Jul 2024*
- Credential ID: IDEAS-TIH/TRN/JULY2024/188