

VIRAJ SAMBRE

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EDUCATION

Pace University, Seidenberg School of Computer Science & Information System

New York, NY

Master of Science (MS) in Information Systems | **Concentration:** Product Management | **GPA:** 3.78

May 2025

Coursework: Prototyping & User Experience, Ethical AI, Information Systems Design & Development, Programming User Interaction, Business Acumen & Data Communication

Kolhapur Institute of Technology

Kolhapur, India

Bachelor of Engineering (BTech) in Electronics & Telecommunications

May 2021

PRODUCTS & TECHNICAL LEADERSHIP

Transit Bridge - Product Lead & Technical Architect

New York, NY

MTA & NJ Transit App Design, Development, & Launch Experiential Learning Lab

November 2024

Spearheaded end-to-end development of commuter platform integrating MTA & NJ Transit, featuring AR navigation and AI chatbot & 4 other features

Architected offline-first mobile solution using React Native, Node.js, and PostgreSQL, prioritizing reliability for underground usage

Drove 40% increase in user engagement through innovative features including commute credit wallet, strategic partnered offline entertainment features & gamification system

Led cross-functional team of 5 through research, design, and development phases, delivering MVP ahead of schedule

Craft Quest - Project Manager

New York, NY

One Stop-Shop Artisan Discovery Platform

January 2024 – May 2024

Launched investment-ready marketplace worth nearly \$2 million connecting travelers with local artisans, driving cultural preservation & economic growth

Conducted comprehensive market analysis and user research to validate product-market fit and scalability potential, developing key metrics system

Developed geolocation-enabled prototype with AI integration, receiving stakeholder buy-in for pilot implementation, designing interactive prototype attracting interactive engagement from 2 potential investors

Savour & Slumber - UX Designer & Analyst

New York, NY

Healthcare Tracking and Analysis

January 2024 – May 2024

Designed mobile health tracking solution based on research from 230+ users, achieving 40% improvement in retention

Implemented ML-driven sleep pattern analysis and nutritional recommendations, & 6 other features published in academic paper

Created data visualization dashboard driving product decisions through real-time user behavior insights 2 usability testings

WORK EXPERIENCE

Plexusbit Software

Pune, India

Associate Software Engineer

June 2022 – November 2022

Engineered automated workflows increasing smart meter system reliability by 40% using Python and AWS

Integrated testing frameworks into CI/CD pipeline, reducing deployment errors by 60%

Built real-time monitoring dashboards in Grafana, enabling data-driven customer support decisions

DNG Technologies Pvt. Ltd

Kolhapur, India

Business Analyst

May 2021 – June 2022

Directed extensive market research and analysis to identify industry trends & competitive landscapes, helping to refine product offerings & drive strategic partnerships

Drove \$100K revenue increase through strategic product refinement and partnership development

Optimized data infrastructure reducing monthly management overhead by 75+ hours

Led stakeholder engagement initiatives resulting in 35% increase in client satisfaction scores

Microlog Systems & Tech. Pvt. Ltd

Kolhapur, India

Programmable Logic Controller (PLC) Intern

January 2021 – February 2021

(*Leveraged:* PLC systems, Manufacturing metrics analysis, Site visit protocols, Technical report writing)

Conducted site visits to manufacturing plants & automation environments, capturing **manufacturing metrics** & creating detailed reports for Team

Lead to inform **Programmable Logic Controller (PLC) optimization** for existing & prospective clients

TECHNICAL SKILLS & CERTIFICATIONS

Technical Skills: Python, SQL, JavaScript/TypeScript, HTML, CSS, MATLAB

Tools: Amazon Web Services (AWS), Tableau, PowerBI, Figma, Jira, Confluence, Docker

Skills & Management: Agile, Scrum, Jira, Market Research, Design Thinking, User Research, Product design & development, Wireframing, Prototyping

Professional Organizations: AI Ethics Forum Pace University | Data Science Club | Product Hunt discussions community | Google Project Management (Google, 2024)