

# VIRAJ SAMBRE

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## EDUCATION

**Pace University**, Seidenberg School of Computer Science & Information Systems, New York, NY September 2023 – May 2025  
**Master of Science (MS) in Information Systems** | Excellence Merit Scholarship | GPA: 3.78 | Concentration: Product Management  
*Relevant Coursework:* Prototyping & User Experience, Ethical AI, Information Systems Design & Development, Programming User Interaction, Business Acumen & Data Communication

**Kolhapur Institute of Technology**, Kolhapur, India August 2017 – May 2021  
**Bachelor of Engineering (BTech) in Electronics & Telecommunications**

## PROFESSIONAL EXPERIENCE

**Associate Software Engineer**, Plexusbit Software, India June 2022 – November 2022

- Designed & implemented Python & AWS based automation solutions to enhance the reliability & operational efficiency of smart meter systems, supporting over 10,000+ gas meters
- Integrated testing frameworks into CI/CD pipelines, reducing deployment errors by 60% & accelerating product development cycles
- Developed a real-time monitoring dashboard using Grafana to capture & display live gas meter updates, collaborating with global cross-functional teams to ensure seamless testing & defect free deployment
- Managed a team of 3 developers by strategically assigning Jira tasks, applied agile methodologies, & communicated with project managers & team leads weekly for task management & timely completion

**Business Analyst**, DNG Technologies, India May 2021 – June 2022

- Built & optimized SQL databases to improve user-driven decision making, saving over 40 hours monthly on data management
- Established partnership with key stakeholders, resulting in improved engagement & a gross \$28K revenue profit annually
- Directed extensive market research & analysis to identify industry trends & competitive landscapes, helping to refine product offerings & drive strategic partnerships
- Utilized project management & BI tools to note project progress, led bi-weekly stand-ups, planned sprints, jira tickets, & provided documented bug status reports & scorecards daily

## PRODUCTS & TECHNICAL LEADERSHIP PROJECTS

**Transit Bridge (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 & AI chatbot & 4 other features
- Architected a robust offline-first mobile solution using React Native, Node.js, & PostgreSQL, ensuring seamless functionality & reliability for users in underground & low-connectivity environments
- Designed five innovative features, including AR navigation, a commute credit wallet, & a rewards-based gamification system, enhancing safety, accessibility, & user engagement

**Craft Quest (Project Link)** January 2024 – May 2024

- Launched an investment-ready marketplace connecting travelers with local artisans, promoting cultural preservation & economic growth, supported by comprehensive market analysis, user research, & a robust key metrics system
- Introduced a geolocation-enabled MVP prototype with AI integration, attracting early interest & feedback from stakeholders, positioning the platform for future investment opportunities

**Savour & Slumber (Project Link)** September 2023 – December 2023

- Streamlined a health tracking solution based on research from 230+ users, leading to a 40% improvement in user retention
- Implemented ML-driven sleep pattern analysis, nutritional recommendations, & six additional features, contributing to an academic publication

## TECHNICAL SKILLS

**Technical Skills:** SQL, Python, JavaScript, HTML, CSS, R, Tableau, PowerBI, Figma, Notion, Confluence, JIRA, Excel

**Product Skills:** Design Thinking, Market Research, Competitive Analysis, Go-to-Market Strategy, Road mapping, Prototyping, User Acceptance Test, Software Development Lifecycle Management, Risk Assessment

**Professional Organizations:** AI Ethics Forum Pace University, Data Science Club