

EDUCATION

Master in Engineering Management (Irving Institute of Graduate Energy Fellowship)	September 2024 – December 2025
Dartmouth College	Hanover, NH
Courses: Data Analytics, Predictive Analytics using GenAI, Statistics, Ops Management, Product Design & Development, Strategy	
Bachelor of Engineering in Computer Engineering (Minor: Blockchain Development)	August 2020 – May 2024
Vivekanand Education Society's Institute of Technology, Mumbai University	Mumbai, India
Courses: Data Mining, Quantitative Analysis, Data Structures & Algorithms, Machine Learning (ML), Artificial Intelligence (AI)	

SKILLS

Technical Skills & Tools: PowerBI, Microsoft Office Suite, Tableau, Google Analytics, Jira, ERP Systems, Salesforce, Agile, Git
Technical Languages: Python, SQL, HTML/CSS, R, C, Java, C++
Databases & Big Data Technologies: MySQL, MongoDB, Oracle, PostgreSQL, NoSQL, Hadoop (HDFS, Map Reduce, Hive)

EXPERIENCE

Operations & Product Analyst Intern	June 2025 – Present
The University Financing Foundation (TUFF)	Atlanta, GA
<ul style="list-style-type: none"> Developing analytics pipelines to support financial decision-making through structured data ETL workflows Designing Power BI dashboards to surface actionable investment insights in real estate and institutional finance Investigating large language models (LLMs) and AI-driven APIs to automate content summarization and deliver real-time intelligence from financial newsletters and market sources 	
AI Strategy & Market Intelligence Consultant	March 2025 – June 2025
Schneider Electric	Hanover, NH
<ul style="list-style-type: none"> Integrated GPT-4, Streamlit, and Power BI into a centralized insights platform for market intelligence Improved insight scanning efficiency by 65%, enabling faster, territory-specific decision-making for Biz Dev teams 	
Business Analyst	September 2024 – December 2024
American Energy Society	Hanover, NH
<ul style="list-style-type: none"> Assessed and recommended new email marketing technologies, improving user engagement by 20% Conducted a thorough cost-benefit analysis, resulting in 30% savings on operational costs 	
Project Manager Intern	November 2022 – May 2023
Kent RO Systems	New Delhi, India
<ul style="list-style-type: none"> Facilitated cross-functional collaboration between R&D, production, and market teams to assess data using ML algorithms, improving water treatment processes and optimizing the supply chain Led product optimization efforts that resulted in a 3% improvement in water quality output and a 7% increase in sales, directly contributing to product success and customer satisfaction 	
Product Manager Intern	March 2021 – February 2022
HVD Life Sciences	Sharjah, UAE
<ul style="list-style-type: none"> Collaborated with a team to conduct ~130,000 newborn screening tests, streamlining processes and contributing to the development of improved testing methods, ensuring accuracy and timeliness, and saving ~2,400 lives Defined the product vision and strategy for testing processes, earning recognition from the UAE government 	

PUBLICATIONS

Mansi, Aayush, & Anuj. (2023). Giggle Gauge: CNN-based approach to rate humor quotient in standup comedy. *Taylor & Francis*. (Indexed in Scopus)
Mansi, Harsh, & Aayush. (2024). Histopathological grading of epithelial dysplasia in oral potentially malignant disorders (OPMD) using machine learning. *International Journal of Applied Information Systems*. (Indexed in Google Scholar)

PROJECTS

Histopathological Grading of Epithelial Dysplasia	August 2023 – May 2024
<ul style="list-style-type: none"> Directed a machine learning project for oral pre-cancer detection, reducing diagnosis time from 48 hours to less than 2 hours Analyzed ~3,000 datasets and engineered a model to grade epithelial dysplasia severity, reducing false positives by 12% 	
Shiksha: E-learning Platform for Differently Abled Students (Syrus Hackathon)	May 2023 – May 2023
<ul style="list-style-type: none"> Led product design and development of an EdTech platform, addressing educational gaps for differently abled students Built a multilingual web app using JSX and ReactJS, adding interactive features to enhance accessibility for 200+ users 	
Calculating Humor Quotient of Stand-Up Acts	August 2022 – April 2023
<ul style="list-style-type: none"> Developed an advanced deep learning model using Convolutional Neural Networks (CNN) and ResNet architecture Generated humor quotient outputs using laughter duration and threshold values, allowing users to gauge comedy quality 	
Sahayta: The Women Safety App (Devfolio Hackathon)	January 2022 – January 2022
<ul style="list-style-type: none"> Managed the lifecycle of an Android app for women's safety, integrating cloud and cybersecurity features to boost usage Engineered SOS button, siren, and reporting using Firebase, XML, and Java, enhancing safety and usability for 500+ users 	