

**EDUCATION**

<b>Master in Engineering Management (Irving Institute of Graduate Energy Fellowship)</b> <b>Dartmouth College</b>	<b>September 2024 – December 2025</b> <b>Hanover, NH</b>
Courses: Data Analytics, Predictive Analytics using GenAI, Statistics, Ops Management, Product Design & Development, Strategy <b>Bachelor of Engineering in Computer Engineering (Minor: Blockchain Development)</b> <b>Vivekanand Education Society's Institute of Technology, Mumbai University</b>	<b>August 2020 – May 2024</b> <b>Mumbai, India</b>

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**

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

**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**

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