

Education

Dartmouth College

Hanover, NH

Master of Engineering Management (MEM)

Sep 2024 - Dec 2025

Coursework: Data Analytics, Product & Platforms Management, Strategy, Ops Management, Statistics, Marketing, Accounting & Finance

University of Mumbai

Mumbai, India

Bachelor of Engineering in Computer Engineering (CGPA: 3.92)

Aug 2020 - May 2024

Coursework: Data Mining & Business Intelligence, AI & ML, NLP, Quantitative Analysis, Python, SQL, Data Structure & Algorithms

Skills & Achievements

Programming Languages: Python, SQL, R, VBA, HTML/CSS**Data & Analytical Methods:** Forecasting, Regression, Statistical Analysis, Data Modeling, KPI Tracking, Root Cause Analysis, Data Cleaning**Tools:** Power BI (DAX), Tableau, Excel (Advanced), ETL, JIRA, Hadoop, Salesforce, Azure DevOps, Notion**Cloud Platforms & Databases:** AWS, Azure, GCP, PostgreSQL, MySQL, MongoDB, Snowflake, Oracle**Leadership & Involvement:** Represented Dartmouth at Society of Women Engineers (SWE) in New Orleans to foster connections with global companies and future women leaders in tech; Volunteered at U&I Trust and Live Green Foundation; Cultural Secretary (2022-2023)

Work Experience

Product Analyst (Student Consultant) | SynchroHealth, Hanover, NH

Sept 2025 - Dec 2025

- Collaborated with the founding team of a health tech startup to conduct product and user analysis for a Bluetooth enabled resistance band used in at home physical therapy
- Conducted in-depth market and data analysis across PT clinics, athletic programs, and hospitals to evaluate adoption potential, identifying \$20M+ in high-ROI market opportunities
- Developed pricing models and a GTM roadmap through competitor benchmarking to strengthen investor readiness

Financial Data Analyst Intern | The University Financing Foundation, Atlanta, GA

Jun 2025 - Sep 2025

- Engineered an AI-powered tool integrating content scraping, keyword extraction, zero-shot NLI scoring, and summarization, automating federal program research, reducing effort by 75%, and saving \$2,700 per intern cycle
- Validated and cleaned university datasets from IPEDS, HERD, and scholarship sources using SQL and Python (Pandas, NumPy) to ensure data accuracy and consistency
- Built an interactive Power BI dashboard using DAX and SQL to visualize KPIs such as enrollment trends, tuition fees, scholars hips, and research expenditures, improving reporting reliability by 40%
- Supported financial underwriting of universities by analyzing audited statements, liquidity ratios, and credit ratings to assess institutional health and guide investment strategies

AI Strategy & Market Intelligence Consultant | Schneider Electric, Arlington, VA

Mar 2025 - June 2025

- Built a LangChain powered RAG pipeline using the OpenAI API to automate classification and summarization of high-volume text datasets, improving processing efficiency by 65% and reducing recurring manual analysis effort
- Implemented inference optimization and caching mechanisms for faster retrieval of outputs, reducing end-to-end latency by 40% and enhancing system throughput
- Integrated LangChain generated text analytics outputs into dashboards, enabling scalable reporting and reliable performance under high volume data loads

Product Manager Intern | HVD Life Sciences, UAE

Mar 2021 - Feb 2022

- Collaborated with a team to analyze 130,000 newborn screening tests to identify bottlenecks and quality gaps, improving testing accuracy and turnaround time and contributing to public health outcomes, saving 2,400 lives
- Analyzed workflow metrics and used Kanban to streamline cross functional processes, improving operational efficiency by 20%
- Used Excel functions and SQL queries to analyze diagnostic data, improving visibility into testing performance and streamlining process optimization efforts
- Managed a team of 4 to develop data backed recommendations that improved accessibility and operational efficiency of diagnostic testing, earning recognition from the UAE Ministry of Health for public health impact

Projects

Digital Marketing Strategy & Cost Optimization Project | PowerBI, Google Analytics, Excel

Sep 2024 - Dec 2024

- Performed SWOT analysis and A/B testing across 30+ marketing campaigns for the American Energy Society to identify key performance drivers and validate optimization strategies, increasing CTR by 20% and reducing operational costs by 30%

Histopathological Grading of Epithelial Dysplasia | Python, Scikit-Learn, Flask, OpenCV, React

Aug 2023 - May 2024

- Executed an ML model analyzing over 3,000 images to accelerate oral pre-cancer diagnosis, reducing turnaround time from 48 hours to under 2 hours and improving accuracy, with findings published in the [International Journal of Applied Information Systems](#)