

# PRANAV DHARMADHIKARI

[pranav.dharmadhikari.th@dartmouth.edu](mailto:pranav.dharmadhikari.th@dartmouth.edu) | 603-322-1971 | <https://www.linkedin.com/in/pranavdartmouth/>

## EDUCATION

**Master of Engineering Management (MEM) | Product Management Track** **September 2023 - December 2024**  
**Dartmouth College** | GPA: 4.0/4.0 | Associate – Office of Pluralism and Leadership **Hanover, NH**  
Relevant Courses: Software Product Management, Accounting and Finance, Machine Learning, Technology Assessment, Data Analytics, Data Analytics Project Lab, Creating Winning New Products and Services, Design Thinking

**Bachelor of Engineering | Major in Chemical Engineering, Minor in Data Science** **August 2018 - August 2022**  
**University of Mumbai** | GPA: 3.8/4.0 | Merit Scholar (Government of India) **Mumbai, India**  
Relevant Courses: Object-Oriented Programming, Database Management Systems, Network Architecture, Financial Engineering

## SKILLS AND CERTIFICATIONS

**Tools:** Jira, Snowflake, AWS (WAF, S3, SNS, EC2, SCS, OpenSearch, Athena, RedShift, CodePipeline), Tableau, MongoDB, SQL, Microsoft Power BI, Microsoft Azure, Asana, Microsoft Excel (VBA, Macros, VLOOKUP, and Pivot Table)

**Technical Languages:** Java, JavaScript, Python, C++, C#, React.js, Node.js, R, R Shiny, REST APIs

**Certifications:** AWS Certified Security Specialty, AWS Certified Solutions Architect, Cisco Certified Network Associate (CCNA), CompTIA Security+, Certified Scrum Product Owner®, AWS Certified Cloud Practitioner

## WORK EXPERIENCE

**Product Manager Intern** **May 2024 – September 2024**  
**BrandSafway LLC** **Carlstadt, NJ (On-site)**

- Gathered qualitative and quantitative customer feedback from deactivators of Motorized® products to quantify feature usage and build a revenue & market model based on Scaled Agile (SAFe®) principles for the North America division.
- Transformed ~1M data points from a centralized MS SQL server and optimized pipelines with AWS Glue workflow, to build dashboards visualizing revenue/ product feature, revenue transformations, forecast and SAM across 250+ locations.
- Developed and rolled out the centralized model documentation to enhance relational visibility into current product usage, revenue (FY'23 & FY'24), growth and Serviceable Addressable Market (SAM) across a team of 15 project managers.

**Product Analyst – Integrations (Full-time)** **September 2022 - August 2023**  
**Deloitte Consulting** | Awarded the "Applause Award" twice for programming 3 features for the product backend. **Mumbai, India**

- Conducted 90+ internal, and external stakeholder interviews to define software development lifecycle, product roadmap, and prioritize features with engineering, and design team for a SMB Financial Analytics Engine (a ~\$100M enterprise contract).
- Integrated AWS into Salesforce cloud infrastructure and onboarded 3 new data streams to build a notification microservice for delivering alerts and updates to ~350K users/quarter and analytics dashboards to monitor user-driven insights.
- Delivered 5 successful full releases and 2 partial releases on agile model with technical deliverables like deployment plans, environment mapping, functional design documents, and knowledge transfer documents.

**Product Analytics Co-op Intern** **September 2021 - April 2022**  
**Deloitte Consulting** | Awarded the "Intern of the Year" award for supporting an on-time 5-sprint product delivery. **Bangalore, India**

- Increased the lead-to-subscription rate for a financial insights platform by ~9%/quarter and recorded the highest Net Promoter Score (NPS) of 82 by redefining core value proposition and pricing options of the loyalty program.
- Onboarded 3000+ new active users (NorthStar) for FY '21-'22 by rolling out AI features such as news sentiment analysis, algorithmic trading, and stock summary by executing on-demand feature-flagging and enabling automated deployments.
- Reduced support ticket overhead by 66% through mixed-methods analysis of product support inbox, leading to prioritized Homepage and Sign-up page improvement strategy and increased product and system design teams' velocity by 2 quarters.

## PROJECTS

**Hypertherm – AI integration** **March 2024 – June 2024**  
**Applied Machine Learning, Data Analytics Project Lab** **Hanover, NH**

- Engineered an Autoencoder-Random Forest (AE-RF) ensemble model using Keras for Hypertherm to determine its optimal nesting strategy, achieving a ~10% improvement in raw material utilization and a mean absolute error of ~6%.
- Orchestrated data preprocessing using Azure Data Studio, consolidating ~30M data points, addressing anomalies and standardizing calculations based on dTrueArea to ensure data integrity and model reliability.

**Alarm.com - Home Automation Protocol Assessment** **September 2023 - November 2023**  
**Technology Assessment, Product Design and Development** **Hanover, NH**

- Evaluated 8 emerging home automation protocols by creating a decision matrix and conducting a cost-benefit analysis, prioritized one protocol, and proposed findings to stakeholders at Alarm.com.