AVINASH K. RAVISHANKAR (Avi)
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OVERVIEW:
Data scientist, mechanical engineer, and product manager with experience scaling technology teams, launching software products, and translating data into decisions. Currently pursuing a Masters in Data Science at Rice University with interests in Bayesian methods, machine learning, spatial-temporal modeling, and image/video processing, with the goal of building statistical tools that solve real-world problems.

EDUCATION:
Rice University (Houston, TX) Current – M.S. Data Science
Rice University (Houston, TX) 2008-2012 – B.S. Mechanical Engineering
Rice University Owlspark Startup Accelerator | App Academy - 4 week Javascript Course | YC Startup School 2018

WORK EXPERIENCE:
Data Science Intern – Houston Texans [September 2025 - October 2025]
4 week data science project to define Explosive Plays sponsored by Strength in Numbers
- Conducted a 4-week analytics project defining *Explosive Plays* using 2024 Texans play data.
- Engineered features and analyzed 600+ plays in Python and PowerBI to identify offensive trends.
- Presented findings to football operations and analytics staff with four actionable recommendations.
- Skills applied: Python (pandas, numpy), PowerBI, quantitative data analysis, football analytics, machine learning modeling, SQL

Sr. Product Manager – TaskTag [Jul 2022 — May 2025]
Mobile and Web app for construction project management through chat
- Managed 2 product managers, 12 offshore engineers, 2 QA engineers, 2 designers, 5 MBA interns. Teams were distributed across Houston, Wisconsin, Ukraine, Poland, China, Spain, Turkey, Philippines, and India.
- Launched a mobile and web app to help manage construction projects, procurement, and supply chain.
- Acquired 2000+ users within the first 3 months of launch locally in Texas.
- Built a custom metrics dashboard in order to track important business KPIs.
- Skills applied: Agile development, Jira management, sprint planning, product release and launch, product roadmapping, design sprints, QA pipeline development, marketing and B2B sales, Figma, Meta/Google/Youtube Ads, Mixpanel, SQL, A/B Testing

VP of Product – Mesos [Mar 2021 — Aug 2022]
Stratospheric drone and aerial imagery of physical assets with software for image management
- Managed and worked with 3 engineers and CTO to build aerial vehicles with imaging systems.
- Monitored software development lifecycle for image detection and online image cataloging (1+ petabyte data).
- Business development through B2B partnerships, investor relations, sales cycles with energy executives
- Skills applied: Hardware product management, Asana, Product Roadmapping, VC Fundraising, Image recognition

Sr. Product Manager – daytum [Jan 2019 — Feb 2021]
Online data science education. Software to teach data science and machine learning to energy professionals
- Collaborated with CTO to design and build an online Learning Management System (LMS) in Anaconda (Jupyterhub with Postgres) for engineers in energy companies to learn data science/machine learning.
- Led customer discovery, segmentation, and feedback loops to develop key features for the LMS of 1000+ individual customers. Fast-paced startup environment.
- Skills applied: Data science, Github, Anaconda, Conda package environment, Product Launch, Product Roadmapping, Product Design, Google Analytics, CRM, Asana, Agile, and Kubernetes

Head of Product & Cofounder – Muvve [May 2016 — Jan 2019]
Fitness events marketplace. B2B2C Product. Connecting fitness enthusiasts to local fitness events
- Managed 2 software engineers, 1 UI/UX engineer, and 1 marketing manager to create an iPhone fitness app with 1000+ downloads
- Built relationships with 20+ fitness companies to help increase their revenue by 10%
- Managed a sales funnel of 20,000+ contacts and users to design product and build relevant features
- Skills applied: Sprint planning, User testing, Sales, User Journey Mapping, Product Roadmapping, and Product Launch

Mechanical Engineer – OXY Occidental Oil and Gas [Jun 2009 – Aug 2015]
Oil and Gas E&P Upstream
- Risk Modeling Software – Pipeline integrity in the Permian Basin and Colombia assets using CredoSoft
- H2S Monitor Program implementation and data collection
- 1 year HSE rotational training program. Capstone project - risk matrix analysis of Near Miss Incidents
- Skills used: Corrosion data analysis, Pivot tables, Data Visualization, Engineering management, Regulatory compliance

SKILLS:
Coding Languages: Python, SQL, R (Beginner), HTML/CSS/Javascript (Beginner)
Languages: English (fluent), Spanish (fluent), Tamil
Projects: Clutch Sports Data - started a Sports Data Science company (worked with UH Cougars & Baylor Bears Basketball)
Github: https://github.com/avikravi