VATCHE THOROSSEAN

Software Engineer │ Data Scientist │ Product Manager

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SUMMARY

Data Scientist & Product Manager with expertise in leveraging data-driven insights to align AI models and analytics with business goals. Skilled in market research, competitor analysis, and product optimization, I collaborate cross-functionally to craft data strategies that drive KPIs, reduce costs, and enhance user value. Specializing in the tech and food industries, I utilize tools like PyTorch and Transformers to develop machine learning solutions that directly impact product performance.

PROFESSIONAL EXPERIENCE

Jan 2024 - Sep 2024 · 9 months

Data Scientist & Product Manager, Pizzaro-KGH

— Product & Data Science Team: Enhances decision-making, customer engagement, and operational efficiency with machine learning and data-driven insights.

- Developed machine learning models for decision-making and inventory management using Python and scikit-learn, improving workflow efficiency by 30% and aligning with key product KPIs. Collaborated with product teams to set priorities and roadmap features based on data insights.
- Analyzed customer data using SQL and Python to drive marketing strategy, increasing engagement by 15% and improving campaign effectiveness by 25%. Worked cross-functionally with marketing and product teams to align analytics with overall business goals and key performance indicators (KPIs).
- Automated data workflows with Python, NumPy, and Pandas, reducing operational waste by 20% and increasing cost efficiency. Spearheaded process improvements and identified areas for product optimization, contributing to cost-saving strategies.

full stack python developer & Data Scientist , Selleryar   **Mar 2021 - Dec 2023**

— SellerYar: Enhances seller experiences by leveraging AI and machine learning to optimize e-commerce performance.

— Engineering Team: Builds scalable solutions and data-driven tools to improve business insights and seller outcomes.

- Analyzed over 1M+ data points using Python, Pandas, and NumPy, driving a 20% increase in business insights and improving decision-making efficiency.
- Developed web scraping tools with BeautifulSoup and Scrapy, built REST APIs with FastAPI, Flask, and Django, and optimized data management with SQL/NoSQL databases.
- Utilized Docker and Kubernetes to scale applications, optimized server performance on Linux systems with Nginx, and enhanced system performance by 40% through load balancing and caching.

BOOTCAMPS

Product Management, Quera

- Conducted market research and competitor analysis for a talent-hiring platform (TalentCamp), identifying flaws and improvement areas to optimize product-market fit.
- Created a Product Requirements Document (PRD) for a language-learning app designed for the visually impaired, ensuring alignment with MVP and MoSCoW prioritization frameworks.
- Collaborated with the operations team to streamline product development, utilizing Agile methodologies, Jira, and AARRR funnel analysis for data-driven decision-making.
- Led extensive market research for hiring platforms, directly influencing product decisions and enhancing strategic insights into competitive offerings.

SKILLS

- Experienced with:

Python	Oracle SQL
Go	PostgreSQL
Deep Learning	Microsoft SQL
Machine Learning	Excel
Git	scikit-learn
Linux	PyTorch
Nginx	Keras
Docker	Transformers
FastAPI	Selenium
MongoDB	Scrapy
OOP	REST/gRPC
Design Patterns	Clean Architecture
Unit Tests	

- Product Management:

- Market Research
- Product Roadmapping
- Product Requirements Documents (PRD)
- Agile Methodology
- Scrum
- Jira
- MoSCoW Prioritization
- AARRR Funnel Analysis
- MVP Development
- User Personas
- User Interviews
- Competitor Analysis
- KPI Tracking
- A/B Testing
- Cross-functional Collaboration
- Stakeholder Management
- Data-Driven Decision Making
- Wireframing
- Customer Journey Mapping
- Feature Prioritization

- Familiar with:

Kubernetes	
React	Natural Language Processing (NLP)
Microservices	Large Language Models (LLM)
Cloud Services	C#
CI/CD Pipelines	Unreal Engine

- Soft Skills::

Leadership	Problem Solving
Coaching	Agile/Scrum Experience
Communication & EQ	Fitness & Boxing
Mentoring/Knowledge Sharing	Economy & Astronomy

EDUCATION

Bachelor of Science in Computer Science
Azad University - Central Branch

Certifications

principles of dialogue and negotiation, Boxing Couching Multiple Udemy / Coursera courses