# Nipunika Jain

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## Technical Product Manager

Dynamic and results-focused MBA candidate with a decade of experience in AI/ML solution development and enterprise innovation. Proven track record of architecting impactful generative AI solutions, including a Longformer-based fraud detection system significantly reducing elder abuse, an LLM-powered chatbot enhancing customer engagement, and a demand forecasting engine driving substantial recurring revenue. Demonstrated success in translating complex technical capabilities into scalable products while optimizing operational efficiency through cross-functional collaboration. Combine deep technical expertise with strong business acumen to align AI strategy with market opportunities, orchestrate diverse teams, and secure stakeholder buy-in for innovative solutions.

## Areas of Expertise

- Generative AI Solutions
- Cloud Computing (Azure/AWS)
- API Optimization
- Object-Oriented Programming
- Database System Architecture

- Product Strategy & Vision
- Team Leadership & Training
- Customer Experience
- Product Development Lifecycle
- Stakeholder Management

- Product Roadmap Development
- Cross-Functional Collaboration
- User Story Creation & Management
- Agile Methodologies
- Requirement Gathering & Analysis

## Technical Proficiencies

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|---|---|
| Cloud & Computing | AWS, Azure, GPU Computing, Docker |
| Machine Learning & AI | MLOps, NLP, GenAI, LLMs, Langchain |
| Development & Automation | Python, Spark, gRPC, API Development (gRPC), CI/CD |
| Collaboration & Version Control | Git, JIRA, FIGMA |
| Databases | SQL, Vector, MongoDB, Cloud Storage |

## Professional Experience

**Deloitte Touche Tohmatsu India Pvt. Ltd., Pune, India**                           2022 — 2024
**Senior Consultant - Artificial Intelligence & Data**

Architected cloud-based ML strategies using AWS and Azure platforms. Defined product vision and strategy for generative AI solutions across multiple industry verticals. Orchestrated cross-functional collaboration between data scientists, engineers, and domain experts. Drove customer interviews and user research for feature prioritization. Led API optimization and microservices implementation for enhanced performance.

- Spearheaded development of LLM-based AI chatbot platform, driving 12% increase in customer engagement and 20% improvement in platform scalability through strategic product roadmap implementation.
- Engineered an ensemble ML architecture with fine-tuned Longformer, resulting in 40% reduction in elder abuse fraud through cross-functional team leadership.
- Architected AWS-based ML strategies utilizing SageMaker and Lambda, achieving 3x improvement in training throughput and 40% reduction in operational costs.
- Led implementation of gRPC-based microservices architecture, reducing response times from minutes to seconds and elevating customer satisfaction.
- Drove 30% increase in engagement and 20% boost in scalability through product OKRs achievement across multiple Deloitte clients.

**Aioneers Technologies India Pvt. Ltd., Pune, India**                           2021 — 2022
**Senior Data Scientist - New AI Product Initiatives**

Led end-to-end development of SaaS-based demand forecasting solutions with a cross-functional team. Managed complete SDLC from ideation to soft launch through quarterly roadmap execution. Drove requirements gathering and stakeholder alignment across multiple enterprise clients. Developed technical architecture and product documentation while establishing dual-metric tracking systems for performance monitoring. Presented technical solutions and ROI analyses to C-level stakeholders.

- Secured $1M enterprise contract through compelling data-driven business case presentation to C-level executives, effectively translating complex technical capabilities into quantifiable business value.
- Led end-to-end development of SaaS-based demand forecasting platform with cross-functional team of 4, reducing inventory costs by 9% and generating €200K ARR.
- Managed complete SDLC from ideation to soft launch with quarterly roadmap execution, driving requirements gathering from 10+ customers and achieving stakeholder sign-off.

- Enhanced forecast accuracy from 22% to 70% through ML pipeline implementation on AWS SageMaker, while establishing dual-metric tracking system for technical and business KPIs.
- Created product documentation including BRD, technical architecture, and low-fidelity designs using Figma, ensuring clear communication across stakeholders.

### Ecolab Food, Safety & Hygiene Solutions Pvt. Ltd., Pune, India                    2019 — 2021
### Technical Engineer - Data Science

Created Operations Research-based optimization models for inventory allocation and resource management. Managed Azure infrastructure and data pipelines for operational efficiency. Developed predictive models and data visualizations for strategic planning. Implemented automated workflows through CI/CD pipelines and Azure DevOps for supply chain systems.

- Prevented $2M in product losses through strategic inventory management system combining AI-based allocation models and COVID-19 response strategies.
- Delivered $100K annual cost savings and 20% operational efficiency gains by designing and implementing Operations Research-based optimization models for supply chain resource allocation and space utilization.
- Established data-driven decision framework through predictive modeling and data visualization, enabling leadership to make strategic inventory planning decisions.
- Architected end-to-end data pipeline integrating multiple supply chain systems, automating workflows with CI/CD and Azure DevOps for sustained operational efficiency.

### Accenture Solutions Pvt. Ltd., Mumbai, India                    2014 — 2019
### Application Development Analyst - Data Science

Developed machine learning models for sales prediction and vendor classification. Designed procurement strategies through advanced analytics. Created performance monitoring systems for continuous improvement. Implemented data analysis workflows for operational optimization. Conducted efficiency analyses to identify cost-saving opportunities.

- Designed regression-based ML models driving 22% increase in client sales through improved predictive accuracy.
- Implemented logistic regression model achieving 25% improvement in vendor model accuracy and 15% reduction in costs.
- Delivered 10% enhancement in operational efficiency through streamlined data analysis workflows and continuous improvement initiatives.

# Education

**Master of Business Administration (ongoing),** University of British Columbia - Sauder School of Business, Vancouver, BC
**Bachelor of Technology in Electronics & Telecommunications,** Narsee Monjee Institute of Management Studies, Mumbai, India

# Licenses & Certifications

AWS Certified Machine Learning Specialist 2024, Udemy

Technical Product Management, Project Management Institute

Project Management Professional, Ecolab

LLM's Mastery, Udemy

MLOps Bootcamp, Udemy

# Blogs & Publications (medium.com/nimbusniche)

### Technical Articles:

"The Exponential Growth of AI Compute", In-depth analysis of NVIDIA Blackwell Architecture.
"CriticGPT: Enhancing Code Review with AI", Technical exploration of AI implementations.
"Strategy to Reduce CO2 Emissions of AI Workloads", Exploring the intersection of AI and sustainability.

### Leadership & Professional Development Articles:

"Leading in a Digital Age: Field Marshal Sam Manekshaw's Timeless Wisdom Decoded", Military leadership principles applied to tech.
"The Art of LinkedIn Networking", A strategic approach to building professional relationships.
"Navigating the Interview Process: Integrity Over Impressions", Insights into career development and decision-making.

# Languages
Hindi - Native | English - Fluent | Germany - Beginner