

Ashish Goyal

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Professional Summary

Technical Product Manager with 7+ years of experience leading cross-functional Agile teams across AI, healthcare, and enterprise platforms. Skilled in facilitating Scrum ceremonies, managing product backlogs in JIRA, and driving continuous delivery through sprint planning, retrospectives, and stakeholder collaboration. Adept at translating complex business requirements into technical execution and removing blockers to ensure team velocity. Strong track record of KPI-driven product delivery, team alignment, and end-to-end lifecycle ownership in high-impact environments.

Experience (~7 years)

System Operations & Data Analyst, Case Western Reserve University (Cleveland, OH, USA) Oct'2024 - Present

- Managed access control systems (Lenel, HARLD, T2), ensuring 99% uptime and seamless integration.
- Streamlined data verification workflows, reducing manual errors by 30%.
- Analyzed 500+ daily transaction logs to ensure data accuracy and compliance.
- Collaborated with IT and security teams to enhance system performance and resolve issues.

Clinical Product Optimization Specialist, MedStar Washington Hospital Center (Washington, DC) Jun'2024 - Oct'2024

- Analyzed clinical data, including EHR logs, to optimize anesthesia protocols—improving outcome metrics by 20%.
- Automated healthcare workflows using Apps Script and data validation tools, reducing manual errors by 30%.
- Collaborated with medical stakeholders to define audit metrics and validate compliance.

Technical Product lead and Senior Developer, MyGateway (NewYork, USA) Jan'2022 - Mar'2023

- Led development of blockchain/NFT-based credential sharing platform, improving security and traceability by 30%.
- Defined and managed JIRA backlogs, coordinating with cross-functional teams through full agile product cycles.
- Built scalable backend systems using Node.js, MongoDB, and Docker, with audit logs and observability dashboards.
- Implemented CI/CD pipelines and authored documentation in Confluence to support releases and stakeholder alignment.

Technical Product Manager, AAIENA (Delhi, India) Dec'2020 - Jan'2022

- Managed 5 AI/AR product builds including real-time virtual try-on tools, increasing user engagement by 40%.
- Developed an end-to-end ecommerce personalization platform informed by stakeholder feedback and analytics.
- Led sprint planning, story definition, and UAT in JIRA for iterative product delivery with QA and engineering teams.
- Oversaw usage analytics dashboards and model feedback loops to improve product performance and UX outcomes.

Head of Product & Technology, REISE (Delhi, India) Oct'2018 - Dec'2020

- Led development of IoT-based travel safety solutions for educational and corporate clients
- Managed a cross-functional team of 30, overseeing product architecture, roadmap, and execution
- Built real-time monitoring systems and analytics tools to improve travel safety and trip efficiency
- Introduced data-driven planning features that enhanced client satisfaction and operational control
- Positioned REISE as a leading provider of tech-driven educational travel solutions in the Indian market

Technical Solutions Consultant, WISENET LAB, UIA (Grimstad, Norway) Jan'2018 - Oct'2018

- Developed embedded software and analytics modules for self-powered IoT prototypes, improving energy efficiency by 20% and reducing data latency across test environments
- Collaborated with a multidisciplinary research team to optimize algorithms and scale software for 10+ real-time device deployments aligned with project milestones

Publication (IEEE)

- [E. Ayday](#), [Ashish Goyal](#), et al., "Privacy-Preserving Ecosystem for Personal Data Management and Utilization" (in review)
- L. R. Cenkeramaddi, [Ashish Goyal](#), et al., "Design of Software and Data Analytics for Self-Powered Wireless IoT Devices" 2018 IEEE International Symposium on Smart Electronic Systems (iSES 2018)

Leadership & Community Engagement

- **Founder & VP, SAVERA NGO (2014–2020):** Led 65-member team for underprivileged education access.
- **Joint Secretary, Purush Aayog (2018–2023):** Led national awareness campaigns on gender policy.
- **Conference Organizer, NIDM-DTU (2016):** Managed logistics and outreach for 2,000+ participant event.

Academic Profile

Case Western Reserve University

M.S. in Computer Science | (GPA: 3.83)

Database Systems • Machine Learning • High Performance Computing in AI • Data Mining

Cleveland, OH

Aug'2023–May'2025

BML Munjal University

B. Tech in Computer Science | (GPA: 3.91)

Delhi, India

Sep'2014–Aug'2018

Online Courses Undertaken

Introduction to Agile Development and Scrum ([Certificate](#)), AI for Product Management ([Certificate](#)), Fundamentals of Accelerated Computing with CUDA C/C++ ([Certificate](#))
Technical Product Management ([Certificate](#)), Python for Data Science by IBM ([Certificate](#))

Projects

Halo Harbor – Federated Learning & Privacy-Preserving AI ([X Lab](#)) | *Product Owner & Backend Developer*

- Built and deployed scalable backend APIs using Java and Docker for modular services (Data Plug, Access Control, Computation).
- Worked with real-world data sources (e.g., OAuth-linked personal data and healthcare activity streams) in privacy-compliant environments.
- Defined product architecture and collaborated with AI researchers to integrate OAuth-based data sources (Reddit, Spotify, Strava) securely.
- Improved system efficiency by 40% through benchmarking and modular redesign, accelerating personalized model training.
- Ensured cross-functional alignment across infrastructure, security, and AI teams to deliver a privacy-compliant, GPU-accelerated ML platform.

Automated Body Measurement Estimation Using Computer Vision | *Technical Lead & PM Collaborator*

- Developed a real-time vision pipeline using YOLOv5 and pose estimation for accurate body measurements across diverse image datasets.
- Spearheaded system optimization with GPU acceleration for high responsiveness, enabling scalable deployment in fashion-tech applications.
- Led end-to-end validation and collaborated with UI/UX teams to align product functionality with real-world usability and customer needs.

Map Reduce Algorithm vs. A Algorithm for Flight Tracking | *Tech Strategist & Developer*

- Designed a distributed MapReduce pipeline to analyze flight route data and benchmarked it against A* pathfinding for real-time tracking.
- Conducted performance testing across compute nodes, delivering insights on scalability, latency, and algorithmic tradeoffs.
- Translated findings into architectural recommendations, guiding platform decisions for big data travel analytics tools.

Additional Skills

- Web Development: React.js, Node.js, HTML, CSS, AngularJS
- Programming Languages: Python, Java, C++, JavaScript
- Tools & Technologies: Git, Docker, Kubernetes, AWS, MongoDB, SQL, Google Apps Script, Postman, JIRA
- Methodologies: Agile, Scrum, Product Roadmapping, User Acceptance Testing, Documentation & User Guides
- Core Competencies: Team Leadership, Strategic Planning, Problem-Solving, Cross-Functional Collaboration

*References available upon request**