

# Shreya Nayak

Product-focused Software Engineer | CSPO | AWS Certified

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## Certifications

Certified Scrum Product Owner (CSPO)  
IBM Data Analytics Specialization

AWS Certified Cloud Practitioner  
Agile Fundamentals (Scrum & Kanban)

## Technical & Analytical Skills

- **Product & Delivery:** Roadmapping, backlog prioritization, PRDs, user stories, technical trade-offs
- **Programming:** C, C#, Python, PySpark, SQL, PyTorch
- **Cloud Platforms:** AWS (S3, EC2, SageMaker), GCP (BigQuery, Composer)
- **Analytics & Reporting:** KPI definition, dashboards, Tableau, Power BI, Google Analytics(GA4), Looker
- **Collaboration & Tools:** JIRA, Confluence, Figma, Git/GitHub

## Professional Experience

### Software Engineer, AtlasIED

Jun 2024 – Present

- **Led end-to-end development** of an AI-driven, customer-facing IP endpoint, owning product requirements and technical direction from concept to release.
- **Owned backlog prioritization**, making trade-offs across customer experience, engineering complexity, and delivery timelines.
- Identified product gaps through early user testing and operational signals, driving targeted fixes to improve reliability and usability.
- Standardized microservice architecture and release QA in AlphaKing, reducing runtime errors by **10%** and improving reliability.
- Led agile rituals and delivery tracking to keep execution aligned with roadmap goals.

### Data Engineer, Vergence Solutions

Jan 2024 – Jun 2025

- **Drove re-architecture** of a healthcare data platform (**100M+ records**) to improve reliability and accuracy of client reporting during vaccine distribution.
- Automated reporting pipelines, cutting turnaround time **95%** and enabling near real-time insights for stakeholders.
- Standardized data models and KPIs to improve consistency and cross-team alignment.
- Integrated GA4 with Power BI, achieving **90% faster KPI refreshes** and driving higher stakeholder adoption across analytics teams.

### Course Producer, University of Southern California

Aug 2023 – May 2024

- **Introduced sprint-style reviews (self-initiated)** to help student teams deliver higher-quality project outcomes faster.
- Mentored **150+** data science students, coordinating with external stakeholders; strong outcomes led several to return for future projects.

### Data Platform Intern, CVS Health

May 2023 – Aug 2023

- Automated **50+ SQL workflows** for **10TB+ pipelines**, improving operational efficiency and data accuracy for large-scale reporting.
- Integrated **HL7 v2 pipelines into GCP**, boosting interoperability **16%** and enabling faster cross-system analytics.

## Projects and Publications

### Impact Analysis of Covid-19 on Indian Sectors

Springer (2021)

Data Preparation, Visualization, Predictive Analytics

- Led regression analysis on 50K data points across 5 industries; published in ICCVBIC-2021.
- Quantified sectoral revenue declines and recovery rates to demonstrate macroeconomic impact on five industries.

### Smart Choice: Distributed File Storage System

GitHub

SQL, Firebase, Web Application

- Developed Firebase-backed system emulating HDFS for distributed data storage.

## Education

M.S. Applied Data Science University of Southern California (3.95 / 4.0)

Aug 2022 – May 2024

B.E. Electronics & Telecommunication, Dwarkadas J. Sanghvi College of Engineering (9.64 / 10)

Jun 2018 – Jun 2022

## Leadership & Awards

- **CVS Joining Forces Recognition** – company-wide recognition for cross-team pipeline automation, improved KPI visibility
- **Lead Mentor, DJS Antariksh Rover Team** – 1st place, European Rover Challenge 2021.