

Nirvika Rajendra

Vienna, Virginia, USA (Open to Relocate) | nirvikarajendra16@gmail.com | +1 (667) 419-0681

GitHub | Portfolio | LinkedIn

Professional Summary

Detail-oriented Data Analyst with a strong foundation in software engineering and hands-on experience building ETL pipelines, automating data workflows, and delivering BI dashboards across academic and enterprise environments.

Education

University of Maryland, Baltimore County, Maryland, USA

Jan 2024 – Dec 2025

Master of Professional Studies in Data Science

GPA: 3.9 / 4.0

Dayananda Sagar Academy of Technology and Management, Karnataka, India

Aug 2017 – Jul 2021

Bachelor of Engineering in Computer Science and Engineering

CGPA: 8.72 / 10.0

Skills

Data & Analytics: Python, SQL, Pandas, NumPy, Statistical Analysis, EDA, ETL Pipelines, Feature Engineering

ML & Visualization: Scikit-learn, Random Forest, Regression, Clustering | Power BI, Tableau, Matplotlib, Seaborn, Streamlit

Databases & Big Data: SQL Server, MySQL, PostgreSQL, Hadoop, Apache Spark, Hive, HDFS

Cloud & Tools: Azure, AWS, Git, CI/CD (Azure DevOps, Octopus Deploy), REST APIs, ASP.NET Core, FastAPI

Certifications: Google Advanced Data Analytics (2025) | AZ-900: Microsoft Azure (2025) | SQL for Data Science (2023)

Professional Experience

Albin O. Kuhn Library & Gallery, UMBC, *Data Analyst – Digital Scholarship Services*

Jan 2026 – Present

- Designed and implemented Python-based automation pipelines processing 34,000+ records across Scopus, ETD, and MDSOAR/DSPACE collections, reducing manual effort by 70%.
- Authored technical documentation — architecture diagrams, data flow diagrams, and integration specs — improving knowledge transfer across 3 engineering teams.
- Applied secure coding practices to enforce schema compliance and confidentiality across XML/XSLT and Parquet workflows; performed unit and integration testing prior to release.

Albin O. Kuhn Library & Gallery, UMBC, *Data Analyst – Digital Library Repository*

Jun 2024 – Dec 2025

- Audited and remediated 34,000+ scholarly records (journals, podcasts, conference papers) for metadata quality, resolving 1,200+ inconsistencies and achieving 100% error reduction.
- Improved MD-SOAR metadata compliance by 25% and enhanced research discoverability by standardizing Dublin Core fields in collaboration with library stakeholders.
- Reduced reporting cycle from 2 weeks to 2 days by generating automated summary dashboards tracking submission trends, publication types, and metadata quality KPIs.

LTIMindtree (Client: Credit Corp Group, Australia), *Software Engineer*

Aug 2021 – Nov 2023

- Developed and validated high-performance RESTful APIs using ASP.NET Core for a real-time financial analytics dashboard, improving API execution time by 45%.
- Designed secure microservices with JWT authentication and optimized MSSQL databases using indexing and Entity Framework Core queries, reducing security risks by 70% and improving query performance by 30%.
- Implemented CI/CD pipelines via Octopus Deploy, Git, and Azure DevOps enabling zero-downtime biweekly releases, cutting deployment time by 40%.
- Delivered 100% of sprint commitments consistently in Agile/Scrum teams using Jira and TFS; improved code reliability by 40% through NUnit unit and integration testing.

Academic Projects

Student Start-up Success Analysis

GitHub | Live Demo

- Conducted EDA and predictive modeling on 2,100+ start-up records across 40 institutions using Python, Pandas, and Scikit-learn, identifying funding and mentorship as key success predictors.
- Deployed an interactive Streamlit dashboard for real-time visualization of trends to support mentorship and incubation decision-making, improving insight accuracy by 25%.

LinkedIn Job Market Analysis

GitHub

- Designed an end-to-end pipeline processing 1.3M+ job listings using Apache Spark, Hive, and HDFS to analyze hiring trends, skill demand, and role distribution across 20+ industries.
- Built interactive Power BI dashboards visualizing salary trends and industry growth, empowering 100+ HR stakeholders to support data-driven workforce planning decisions.