

RAHUL SAJEENDRA NATH

Data Analyst | AI Enthusiast | Master's Student in Logistics Engineering

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PROFESSIONAL SUMMARY

Experienced technology professional with 4+ years in software development, data analytics, and automation. Currently completing Master's thesis on Advanced Forecasting and Analytics for Strategic Sourcing at Novanta Inc. Skilled in Python, SQL, Power BI, ETL processes, and front-end development, with a strong track record of optimizing workflows and building interactive dashboards. Currently developing projects in AI automation to further enhance my expertise in business intelligence and data-driven decision-making. Passionate about leveraging analytics and automation to transform complex data into actionable insights.

PROFESSIONAL EXPERIENCE

Master's Thesis Student

Novanta Inc.

May 2025 - Present

Ludwigsstadt, Bavaria

Thesis: Advanced Forecasting and Analytics for Strategic Sourcing

- Enhanced strategic procurement by integrating forecasting KPIs into SCM Power BI dashboard, improving demand forecasting accuracy by 15%
- Extracted and transformed SAP data using SQL and Power Query with M code for supplier performance and demand trend analysis
- Designed end-to-end data pipeline via Snowflake and SQL Server, enabling seamless Power BI integration with automated workflows
- Created advanced DAX measures for complex KPI calculations and interactive dashboard development
- Explored AI-based automation tools including N8n and Power Automate to enhance data processing workflows
- Technologies:** SQL, Power Query, DAX, M Code, Power BI, Snowflake, SAP S/4HANA, Python

Supply Chain Analytics Intern

Novanta Inc.

Nov 2024 - Apr 2025

Ludwigsstadt, Bavaria

- Developed dynamic Power BI dashboards including Purchasing KPI, Supplier Regional, and Frame Contract Overviews, reducing decision-making time by 20%
- Performed ETL processes on complex SAP datasets using SQL and Power Query for analytics foundations
- Implemented advanced DAX measures for supplier scorecarding, cost variance analysis, and trend calculations
- Automated SAP data workflows using Python pandas and NumPy, cutting manual processing time by 25%
- Implemented Blanket Purchase Orders in Amazon Business integration, reducing SAP purchase order volume by 30%
- Ensured 100% accuracy in monthly Intrastat reporting and regulatory compliance
- Technologies:** Power BI, SQL, DAX, Power Query, Python, SAP S/4HANA

Logistics Specialist

RheinGedeck

May 2023 - Oct 2024

Düsseldorf

- Optimized warehouse operations and material flow using spatial analysis and statistical modeling
- Developed data-driven event layout solutions, improving logistics efficiency and space utilization by 15%
- Enhanced German language proficiency to B2 professional level through client interaction

R&D Software Engineer

Telaverge Communications

Oct 2021 - Dec 2022

Bangalore, India

- Managed AWS cloud infrastructure and VM deployment, improving system reliability by 20%
- Conducted comprehensive testing in DevOps environment using Docker, Kubernetes, and Azure DevOps
- Applied agile methodologies using Jira and Confluence for streamlined development processes
- Technologies:** AWS, Docker, Kubernetes, Python, MySQL, Git

AR Developer

Infox Technologies

Dec 2020 - Dec 2021

Kochi, India

- Developed AR applications in Unity for marketing campaigns, optimizing user experience and application stability
- Technologies:** Unity 3D, Vuforia SDK, C#

Frontend Developer Intern

Telaverge Communications

Sep 2019 - Dec 2020

Bangalore, India

- Developed responsive web applications using HTML5, CSS3, JavaScript, and React.js
- Technologies:** React.js, JavaScript, TypeScript.js, HTML5, CSS3, MongoDB

EDUCATION

Master of Science, Technical Logistics

University of Duisburg-Essen, Germany

Mar 2023 - Oct 2025

Grade: 1.8

Relevant Coursework: Logistics Planning, Material Flow Systems, Plant Simulation, Process Optimization, Statistical Modeling, Supply Chain Analytics

Bachelor of Technology, Electronics & Communication Engineering

APJ Abdul Kalam Technological University, India

Jun 2015 - Jul 2019

CGPA: 6.96/10

Relevant Coursework: Data Analysis, Statistics, Computer Networks, Database Systems, Programming Fundamentals

KEY PROJECTS

Skulytics

[GitHub: rahulsnath206/Skulytics](#)

July 2025

Built an AI-powered web application for analyzing and forecasting product sales from CSV files. The platform allows users to upload data, visualize historical trends, and generate 12-month sales forecasts through an interactive dashboard. Developed a modern frontend with React and TypeScript, and a FastAPI backend for real-time data processing and forecasting.

Tech Stack: React, TypeScript, Tailwind CSS, Recharts, FastAPI, Python, Pandas, NumPy

Procurement AI Assistant

[GitHub](#) | [Live Demo](#)

July 2025

Developed an AI-powered chatbot that streamlines procurement workflows by answering queries, drafting emails, and analyzing uploaded PDF documents. Leveraged Retrieval-Augmented Generation (RAG) for document Q&A using LangChain and FAISS, and implemented multi-turn conversation memory with GPT-3.5 Turbo. Built and deployed a user-friendly interface with Streamlit.

Tech Stack: Python, Streamlit, LangChain, OpenAI GPT-3.5, FAISS, PyPDF

TECHNICAL SKILLS

Programming Languages:

Python, JavaScript, R, SQL, HTML, CSS

AI/ML Tools & Libraries:

LangChain, Hugging Face, OpenAI API, FAISS, PyTorch, Scikit-learn

Frameworks:

Flask, Streamlit, FastAPI, Node.js, React.js

Cloud & DevOps:

Microsoft Azure, AWS, Docker, Kubernetes, Git, Azure DevOps, CI/CD

Project Management:

Agile, Scrum, Kanban, Jira, Confluence, Sprint Planning

Data Visualization:

Power BI, Tableau, Advanced Excel, DAX, Looker Studio

Databases & ERP:

SAP S/4HANA MM (Certified), MySQL, PostgreSQL, Data Warehousing, Snowflake, SQL Server, Azure Data Factory, Microsoft Fabric

Automation & Tools:

Power Automate, N8n, Zapier, Power Query, M Code, Python Scripts

Other Skills:

REST APIs, LLM fine-tuning, prompt engineering/optimization, interactive dashboards, data storytelling

CERTIFICATIONS & LANGUAGES

Professional Certification:

SAP S/4HANA MM - Materials Management: Sourcing and Procurement (Sep 2024)

Language Proficiency:

English (Fluent), German (B2 Professional), Malayalam (Native)

ADDITIONAL INFORMATION

Availability: Ready for global projects and flexible work (remote or hybrid).

Core Competencies: Prompt engineering for AI/LLMs, advanced data analytics, collaborative teamwork across cultures, creative problem-solving, and process automation.

Professional Interests: Applied AI and automation, prompt design, business intelligence, digital transformation, and sustainable, data-driven supply chain innovation.