

Raunak Srivastava

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SKILLS

Programming Languages: Python, R, SQL, Bash

Tools/Packages: Claude, Cursor, ChatGPT, Gemini, Pandas, NumPy, Scikit-learn, PyTorch, PySpark, PyTest, OpenAI, Langchain, BERTopic, Matplotlib, Seaborn, Plotly, Dash, Apache Spark, Apache Flink, Tableau

Cloud/DevOps: Google Cloud Platform (GCP), Docker, Kubernetes, CI/CD, Prometheus, Mimir, YAML, Kafka

Databases: MongoDB, PostgreSQL, MySQL, Databricks

Technical Skills: Machine Learning, Large Language Models (LLMs), NLP, Prompt Engineering, AIOps, ETL, Feature Engineering, Predictive Analytics, Data Visualization, Model Evaluation & Validation, Agile Methodologies

EXPERIENCE

Selector AI

July 2024 - Present

Member of Technical Staff I (Solutions Engineering)

- Designed and deployed the company's baseline Cisco IOS XE (Catalyst 8500 series) DMVPN monitoring solution, using NETCONF RPCs and CLI commands via an SSH polling engine to capture BGP tunnel state, spoke IPs, and other network telemetry. Built a metrics-driven Ops landing page summarizing per-site DMVPN device health.
- Built and optimized ETL pipelines to ingest customer telemetry, logs, and ITSM data at scale using Python, Kafka, Kubernetes, Prometheus, MongoDB, and YAML, enabling real-time AIOps across cloud and hybrid infra.
- Led Proof of Concept (POC) architecture, technical design, and production onboarding for enterprise customer deployments collaborating cross-functionally with sales and customer engineering teams.
- Served as primary Solutions Engineer for 4 Fortune 500 enterprise customer accounts.

The National Institutes of Health

May 2021 - May 2023

Data Science Intern

- Built 10+ interactive dashboards centralizing real-time operational insights across departments using Plotly Dash.
- Modeled campus energy load using NOAA weather API & visualized forecast error metrics using Plotly Dash and Python. Integrated total performance dashboards into NIH forecaster quality web app.
- Automated testing and performance analysis of ML models for the NIH Central Utility Plant using MATLAB, PI System Explorer, and Excel.

JPMorgan Chase & Co.

Jun 2022 - Aug 2022

AI & Data Science Summer Analyst

- Automated statistical testing pipeline for HMDA Geocode Sourcing using Python & SQL, reducing manual QA effort, improving reporting accuracy, and reducing compliance risk

RESEARCH

UC Irvine Design and Partnership Lab | Graduate Research Assistant

Jan 2024 - Jun 2024

- Applied BERTopic topic modeling with OpenAI LLM representations to extract and label themes from student responses, informing data-driven curriculum redesign for AUHSD

The Data Mine - Purdue University | Undergraduate Researcher & TA

2019 - 2021

- Data visualizations and business development for Purdue Athletics & TA with corporate partner IU Health

EDUCATION

University of California, Irvine

Sep 2023 - Dec 2024

Master of Data Science

Relevant Coursework: Artificial Intelligence, Machine Learning and Data Mining, Big Data Management

Purdue University

2019 - 2023

BS in Data Science, Minor in Computer Science, Certificate in Entrepreneurship and Innovation

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Statistical Programming

OTHER

US Citizen | Corporate Partners Program Scholarship | Dean's List and Semester Honors | Purdue Men's Club Basketball