

SAUMYA KUMAR DAS

DATA SCIENCE & PYTHON PROGRAMMER

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PROFILE

Python programmer and data science practitioner with hands-on experience building machine learning and NLP models, data analysis pipelines, and interactive visualizations using Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, and Plotly. Skilled in data cleaning, exploratory data analysis, statistical evaluation, and end-to-end model development, with working knowledge of Django for backend integration and REST APIs. Strong problem-solving foundation backed by academic training in Data Structures & Algorithms and Object-Oriented Programming.

EDUCATION

Lincoln University College — Bachelor in Information Technology

Nov 2024 – Present

Clouds Nepal Web — Python, Django & Data Science Diploma

Jun 2026 – Sep 2026 (in progress)

SKILLS

Languages: Python, Java, C

Data Science & ML: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Plotly, Statistical Analysis, Data Cleaning & Wrangling, EDA, NLP, Machine Learning

Web & Backend: Django, REST APIs, HTML5, CSS3

Databases & Tools: MySQL, Jupyter Notebook, Git, GitHub, VS Code, PyCharm

Concepts: OOP, Data Structures & Algorithms, REST API Design

PROJECTS

Fake News Detection System — Machine Learning & NLP

Jun 2026 – Jul 2026

- Built a text classification system in Python and Scikit-learn to detect fake news, covering preprocessing, TF-IDF feature extraction, and model training on a ~58MB news dataset.
- Achieved 98% classification accuracy; developed an end-to-end prediction pipeline for real/fake labeling on unseen articles.

Language Detection Model — Machine Learning & NLP

May 2026 – Jun 2026

- Developed a multilingual text classification pipeline in Python and Scikit-learn, trained on a ~60MB dataset spanning multiple languages.
- Reached 98% classification accuracy through tokenization and vectorization-based feature engineering.

Google Search Trend Analysis with Python

Apr 2026 – May 2026

- Used Pytrends, Pandas, and Plotly to analyze search-interest patterns across user-selected keywords and categories, producing interactive trend-mapping dashboards.
- Surfaced seasonal and regional interest shifts to support keyword and content-timing decisions.

E-Commerce Data Analysis with Python

Mar 2026 – Apr 2026

- Cleaned and analyzed a ~40MB real-world transaction dataset with NumPy, Pandas, and Seaborn.
- Identified sales trends and customer purchase behavior patterns to inform business decision-making.

Uber Ride Data Analysis with Python

Feb 2026 – Mar 2026

- Analyzed a ~45MB real-world Uber trip dataset with Pandas and NumPy to surface ride-demand patterns and peak booking hours.
- Built Matplotlib and Seaborn visualizations to support demand forecasting.

J.A.R.V.I.S — OpenAI + Python Powered AI Desktop Assistant

Jan 2026 – Feb 2026

- Built a Python-based AI desktop assistant with conversational capability and real-time voice interaction via speech recognition and text-to-speech.
- Automated desktop tasks such as opening applications and launching websites (e.g., YouTube) through hands-free voice control.

EXPERIENCE

Technical Assistant — SUBISU Cablenet Pvt. Ltd.

Jun 2018 – Feb 2019

- Assisted in maintenance and support of enterprise-level network systems within the IP Engineering Department.
- Monitored network performance and analyzed operational data to identify connectivity issues and bottlenecks.
- Coordinated across departments to resolve technical issues and support smooth operational workflow.

Data Entry Associate — Pracheen Mantra Yantra Vigyan

Aug 2014 – Nov 2017

- Managed data entry and record-keeping for customer information, shipment details, and operational documentation.
- Coordinated packaging, labeling, and documentation for domestic and international parcel dispatch.

Note: Career break 2019–2024 for family reasons.