Samir Paudyal

PERSONAL INFORMATION

Date of Birth	13.02.2003
Nationality	Nepalese
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in [LinkedIn](#)

[GitHub](#)

PROFILE

I am seeking a Workstudent / Internship position where I can contribute my skills in problem-solving, technology, and data-driven approaches. Currently, I am pursuing an MSc in Data Analytics at Universität Hildesheim, building on my Bachelor's degree in Computer Engineering. I am eager to apply my knowledge in real-world projects and further grow within an innovative, data-driven environment.

WORK EXPERIENCE

TAI Inc. (Japan-based company serving Japanese clients)   **May. 2024 – Feb. 2025**
Business Analyst   Kathmandu, Nepal

- Analyzed business data to identify growth opportunities and trends using SQL and Python.
- Designed KPIs and performance dashboards to support strategic decisions.
- Bridged communication between technical and non-technical teams.
- Oversaw business documentation and knowledge management processes.
- Conducted market and competitor analysis to inform business strategy and identify growth opportunity.
- **Technologies: Python, SQL, Tableau, Power BI, Jira, Confluence, Excel**

EDUCATION

MSc. Data Analytics   **April 2025 - Present**
Universität Hildesheim   Hildesheim, Germany
(Big Data Analytics, Machine Learning, Distributed Data Analytics, Time Series Analysis)

MSc Data Analytics focuses on developing expertise in Big Data and Machine Learning, applying advanced statistical and computational methods to extract insights from large, complex datasets.
Technologies: Python, R, Hadoop, Apache Spark, Docker, Machine Learning (PyTorch, Tensorflow)

Bachelor in Engineering (Computer)   **2019 - 2024**
Tribhuvan University (Pulchowk Campus)   Pulchowk, Kathmandu
(Software Engineering, Database, Computer Network, Artificial Intelligence, DSA, Programming)

Solid foundation in software engineering practices, algorithmic problem solving, programming paradigms and relational database systems, developed through projects and coursework during Bachelor studies — also gained experience with hardware-software interfaces, embedded systems basics, and understanding how low-level programming interacts with physical components.
Technologies: C, C++, Python, SQL, Proteus, UML, Cisco Packet Tracer, LaTeX, VHDL

PROJECTS

Sanket (B.E. Major Project / Thesis)   [Thesis Link]   [Project Video]
- Developed mobile app for real-time video translation of Nepali Sign Language.
- Achieved high accuracy using LSTM model for sign recognition.
- Enabled two-way communication between hearing-impaired and others.
- **Technologies: Flutter, Django, AI/ML (LSTM, Tensorflow)**

End-to-End Medallion Architecture Data Pipeline   [GitHub Link]
- Developed a scalable data pipeline on Databricks using bronze, silver, gold layers.
- Automated ingestion with Autoloader, transformation with Lakeflow, and modeled gold layer star schema.
- Delivered an interactive Databricks Dashboard for business reporting.
- **Technologies: Databricks, Apache Spark, Lakeflow, dbt, SQL, Dimensional Modeling**

CERTIFICATIONS & SKILLS

- **Certifications:**
  - Python Coding and Programming Course, Samsung Innovation Campus.
    (6-month onsite program at Pulchowk Campus, Nepal   [View Certificate]
  - AWS Academy Graduate – AWS Academy Data Engineering   [View Certificate]
- **Skills:**
  - **Programming:** Python, R, C++, C#
  - **Data:** SQL, Databricks, Apache Spark, dbt, Power BI, Tableau, Excel
  - **Tools:** VS Code, Git, Jira, Slack, Docker, LaTeX, MS Office Suite
  - **Soft skill:** Project Leadership, Communication, Teamwork, Attention to Detail

NGO & VOLUNTEER LEADERSHIP

LOCUS, 20th National Technological Festival (Largest student-run NGO in Nepal)   **Apr 2023 – May 2024**
Finance Coordinator   Kathmandu, Nepal

- Led the Children In Technology (CIT) initiative across all seven provinces in the country.
- Managed finances and logistics for Nepal's biggest national tech festival.
- Organized Hackathons, Code Camps, and Technergy events.

LANGUAGES

- Nepali: Mother Tongue
- English: C1 (IETLS_Certificate)
- German: A2 (learning)

GRANTS & SCHOLARSHIPS

- High School Scholarship of around $500.
- Partial Scholarship in Bachelor Degree in Computer Engineering of $7,000 at Pulchowk Campus.