Samir Paudyal

PERSONAL INFORMATION

Date of Birth	13.02.2003
Nationality	Nepalese
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in LinkedIn   **O** GitHub

PROFILE

I am seeking a Working student / 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 excited to apply my knowledge in real-world projects and further grow within an innovative, data-driven environment.

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 Languages:** Python, R, C++, C#
  - **Data & Analytics:** SQL, Databricks, Apache Spark, dbt, Power BI, Tableau, Excel
  - **Machine Learning & Automation:** PyTorch, Tensorflow, LSTM, n8n, Oracle APEX
  - **Development Tools:** VS Code, Git, Jira, Slack, Docker, LaTeX, MS Office Suite
  - **Soft skills:** Project Leadership, Communication, Teamwork, Attention to Detail

WORK EXPERIENCE

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

- Performed data analysis using SQL and Python on client sales and operations datasets, identifying growth drivers that led to an increase in quarterly revenue and enhanced customer targeting strategies.
- Designed and implemented KPI frameworks and developed interactive dashboards in Tableau and Power BI, reducing manual reporting effort by 20% and accelerating decision-making cycles by 25%.
- Standardized project documentation and optimized knowledge management systems using Confluence and Jira, improving cross-team accessibility and reducing developer onboarding time by 30%.
- Gathered and translated business requirements into technical specifications with UML diagrams, improving stakeholder-developer alignment, reducing rework, and shortening delivery timelines.
- Conducted market research and competitive analysis to support the launch of an HR subsidiary specializing in SSW visa placements, identifying in-demand job categories and optimizing market entry strategy for the Japanese labor sector.
- **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)
Technologies: Python, R, Hadoop, Apache Spark, Docker, Machine Learning (PyTorch, TensorFlow)

Bachelor of Engineering (Computer)   **2019 - 2024**
Tribhuvan University (Pulchowk Campus)   Pulchowk, Kathmandu
(Software Engineering, Database, Computer Network, Artificial Intelligence, DSA, Programming)
Technologies: C, C++, Python, SQL, Proteus, UML, Cisco Packet Tracer, LaTeX, VHDL

PROJECTS

Sanket (B.E. Major Project / Thesis)   [Thesis Link]   [Project Video]
- Developed a 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**

AI-Powered WhatsApp Restaurant Order Automation Bot   [GitHub Link]
- Developed a scalable, low-code automation workflow using n8n to manage 24/7 restaurant operations via the WhatsApp Business API.
- Integrated Google Gemini as an AI agent to handle complex conversational logic, maintain user context (memory), and dynamically respond to queries.
- **Technologies: n8n, Google Gemini (LLM), WhatsApp Business API**

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 under LOCUS, delivering digital data protection and cybersecurity education to 6,500+ rural schoolchildren across all seven provinces of Nepal, fostering early awareness of responsible digital behavior.
- Managed finances and logistics for LOCUS, overseeing budgeting, vendor coordination, and event execution for national-scale tech programs including Hackathons, Code Camps, and Technergy, collectively engaging 5,000+ participants.
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LANGUAGES

- Nepali: Mother Tongue
- English: C1 (IELTS Certificate)
- German: A2 (in progress)