

PALLAVI PAUDEL

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📁 [DataCamp Portfolio](#)

Summary

Results-driven Electronics and Communication Engineering student with strong expertise in SQL, data analysis, and database management. Proven experience in building data-driven applications and ETL pipelines. AWS certified with hands-on experience in cloud architecture and automation. DataCamp Fellow recognized among national top learners with demonstrated ability to work with structured data and deliver actionable insights.

Education

IOE, Pulchowk Campus

Lalitpur, Nepal

Bachelor of Electronics, Information and Communication Engineering

- Relevant Coursework: Data Warehousing, Data Mining, Big Data, Database Management Systems, Data Structures & Algorithms, Object-Oriented Programming, Artificial Intelligence

Experience

Adex International Pvt. Ltd.

Jan 2025 – Apr 2025

Cloud Solutions Apprentice

Lalitpur, Nepal

- Did multiple lab sessions revolving around scalable microservices on AWS S3, EC2 and Lambda
- Configured IAM policies and VPC security groups following AWS Well-Architected Framework principles

LIS Nepal

Nov 2024 – Mar 2025

Data Warehousing and BI Trainee (Elective Coursework)

Lalitpur, Nepal

- Used SQL for data extraction, transformation, and loading across structured datasets
- Worked with Snowflake and Power BI to develop dashboards and gain insights from large volumes of data
- Gained practical exposure to data warehousing, data modeling, and business intelligence reporting

Stojo

Dec 2023 – Feb 2024

Customer Success Analyst Extern

Remote (New York, NY)

- Conducted 20+ customer interviews and analyzed survey data to identify purchase drivers and satisfaction metrics
- Delivered actionable marketing insights

Webcreatify

Nov 2022 – Jan 2023

Web Content Writer

Remote (Kathmandu)

- Created technical content on ERP systems, database management, and automation tools for B2B SaaS audiences

Projects

How Likely Is It Really? — Breast Cancer Risk Assessment *Python, FastAPI, Streamlit, SQLite*

May 2025

- Built comprehensive health risk assessment application with FastAPI backend and SQLite database for patient data management
- Designed and implemented ETL pipeline to process health data from multiple sources and normalize into structured format
- Created interactive Streamlit frontend with complex SQL queries for risk scoring and historical data analysis
- Developed automated data validation scripts and implemented database backup procedures

Automated Plant Care System *React, AWS IoT Core, ESP32, PostgreSQL*

Jun 2024

- Developed an IoT solution visualizing sensor data and automating greenhouse control via AWS and Axios
- Built data pipeline using AWS S3 for long-term storage and implemented data archiving strategies

Technical Skills

Languages: SQL (Intermediate), Python, JavaScript, HTML, CSS

Data & Analytics: PostgreSQL, SQLite, Power BI, Snowflake

Cloud & Tools: AWS, Git

Frameworks/Libraries: FastAPI, React, Streamlit, Node.js, Tailwind CSS

Certifications

AWS Certified Solutions Architect - Associate (SAA), 2025

Associate Data Engineer (SQL + Python), DataCamp, 2025

Leadership & Activities

IEEE Women in Engineering, Pulchowk

Jun 2024 – Jan 2025

Chair

Lalitpur, Nepal

- Founded local chapter and organized multiple technical workshops on data science and database management
- Led "Cybershikshit" digital safety awareness campaign across 5 government schools, reaching 500+ students

IEEE Pulchowk Student Branch

Dec 2021 – Feb 2023

Vice Chair

Lalitpur, Nepal

- Organized IEEE Xtreme 17.0, Nepal's first hosting of the global coding competition with 100+ participants
- Facilitated technical workshops on data structures, competitive programming, and database design