PALLAVI PAUDEL

Dhobighat, Lalitpur, Nepal

📞 +977 9865515250 ✉ pallavipaudel@gmail.com 🌐 pallaviipp.github.io 📊 DataCamp Portfolio 📇 LinkedIn GitHub

Education

IOE, Pulchowk Campus
2021 – 2025

Bachelor of Electronics, Information and Communication Engineering
Lalitpur, Nepal

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

Experience

Cloud Solutions Apprentice
Jan 2025 – Apr 2025

Adex International Pvt. Ltd.
Lalitpur, Nepal

- Completed multiple lab sessions on scalable microservices using AWS S3, EC2, and Lambda
- Configured IAM policies and VPC security groups following AWS Well-Architected Framework principles
- Gained hands-on experience with cloud architecture and automation workflows

Data Warehousing and BI Trainee
Nov 2024 – Mar 2025

LIS Nepal (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 and business intelligence reporting

Customer Success Analyst Extern
Dec 2023 – Feb 2024

Stojo
Remote (New York, NY)

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

Web Content Writer
Nov 2022 – Jan 2023

Webcreatify
Remote (Kathmandu)

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

Projects

Breast Cancer Risk Assessment System | *Python, FastAPI, SQLite, Streamlit*
May 2025

- Built comprehensive health risk assessment application with FastAPI backend and SQLite database for patient data management
- Created interactive Streamlit frontend with complex SQL queries for risk scoring and historical data analysis

Automated Plant Care System | *React, AWS IoT Core, ESP32, PostgreSQL*
Jun 2024

- Developed IoT solution with React frontend visualizing sensor data and automating greenhouse control
- Built data pipeline using AWS S3 for long-term storage and implemented data archiving strategies
- Integrated real-time data processing with PostgreSQL database for historical analysis

International Students Mental Health Analysis | *SQL, Python, AWS Redshift*
2024

- SQL-driven analysis investigating correlation between studying abroad and mental health outcomes
- Utilized complex queries and statistical analysis on structured datasets using AWS Redshift
- Generated insights on factors affecting international student well-being through data visualization

RemitCalc - Currency Exchange Tracker | *React, Express.js, REST API*
2024

- Full-stack application tracking real-time and historical currency exchange rates from Nepal Rastra Bank
- Implemented automated data retrieval and normalization processes for financial data
- Built responsive React frontend with Express.js backend for seamless user experience

Technical Skills

Programming Languages: SQL (Intermediate), Python (Pandas, NumPy, FastAPI), JavaScript, HTML, CSS
Data & Analytics: PostgreSQL, SQLite, Power BI Dashboarding, Snowflake
Cloud Platforms: AWS (S3, EC2, Lambda, IoT Core, EC2), AWS Well-Architected Framework
Frameworks/Tools: React, FastAPI, Streamlit, Node.js, Git, Tailwind CSS, Express.js
Specializations: Database Management, Data Warehousing, Business Intelligence, Automation, IoT Data Processing

Certifications

AWS Certified Solutions Architect - Associate (SAA) **2025**

Associate Data Engineer (SQL + Python) | *DataCamp* **2025**

Leadership & Activities

Chair **Jun 2024 – Jan 2025**

IEEE Women in Engineering, Pulchowk *Lalitpur, Nepal*

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

Vice Chair **Dec 2021 – Feb 2023**

IEEE Pulchowk Student Branch *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