

# Sailesh Dahal

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## EDUCATION

**Tribhuvan University**, Kathmandu Engineering College  
Bachelor of Electronics and Communication Engineering

Kathmandu, Nepal  
Nov 2017 - 2022

- Relevant Coursework: Object Oriented Programming, Digital Logic, Probability & Discrete Mathematics, Computer Architecture, AI, Signal Analysis

## PROFESSIONAL EXPERIENCE

**Uranus Tech Pvt. Ltd.**  
*Database & SQL Intern*

Kathmandu, Nepal  
May 2025 – September 2025

- Assisted in SQL database management, including data querying, updates, and optimization
- Developed and maintained database-driven modules for banking software using .NET technologies
- Collaborated in data migration, validation, and report generation tasks.
- Gained practical experience in database operations and software integration within a fintech environment.

**Suzhou Maxwell Technologies Co., Ltd.**  
*Technical Service Engineer*

Suzhou, China  
March 2024 - May 2024

- Analyzed performance data to optimize machinery functionality and reliability.
- Identified trends in technical issues using data, significantly improving system reliability.
- Streamlined processes and enhanced system functionality through team collaboration, leveraging data analytics to identify inefficiencies and implement targeted improvements.
- Collaborated with the team to manage the assembly and debugging of machinery, utilizing data analysis to ensure hardware and software functionality and improve performance metrics.

**Electronics Project Club**  
*Member*

Kathmandu, Nepal  
June 2020 - Nov 2023

- Collaborated with teams, offering technical assistance for successful outcomes.
- Enhanced project efficiency through problem-solving, utilizing data-driven insights to identify problems and implement effective solutions.
- Designed and implemented projects, showcasing expertise in system design with data-driven insights.

## SKILLS

- **Programming Languages:** Python, SQL, R, C, C++
- **Data Analysis & Visualization:** Power BI, Tableau, Excel
- **Data Science & Miscellaneous Technologies:** A/B Testing, ETL, Data Science Pipeline (Cleansing, Wrangling, Visualization), Statistics, OOP, Git, Figma, UI/UX design

## CERTIFICATIONS

- Google Data Analytics
- CS50's Programming with Python – Harvard University (Online)
- CS50's Introduction to Databases with SQL – Harvard University (Online)
- SQL for Data Science (Coursera)
- Internship Completion Certificate – Suzhou Maxwell Technologies

## ACADEMIC PROJECTS

### **Gesture Controlled Robot**

- Designed a data-driven system integrating different components for precise motion control.
- Implemented gesture recognition algorithms, leveraging real-time data processing for intuitive and seamless user interaction.
- Collected and analyzed sensor data to develop a hand gesture-controlled toy car using a microcontroller and RF modules.

### **Automated Greenhouse**

- Designed and developed a system to control greenhouse conditions, optimizing growth through data analytics.
- Utilized communication modules and sensors for real-time data transmission and remote management.