

ERICK PRADHAN

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CAREER OBJECTIVE

To leverage artificial intelligence, software engineering, and emerging technologies to design scalable, reliable, and impactful solutions that solve real-world problems. Passionate about continuous learning, developing intelligent products that enhance user experience, and collaborating with diverse teams to deliver high-quality software. Dedicated to becoming a trusted AI expert and technology leader whose innovation, integrity, and commitment contribute to both organizational success and the technological advancement of my country.

EDUCATION

BSc (Hons) Computing with Artificial Intelligence **2024 - Present**

Islington College, London Metropolitan University
Kamal Marg, Kamalpokhari, Kathmandu

SLC **2021 - 2023**

United Academy, National Examinations Board |
Kumaripati, Lalitpur

SEE **2020**

Kadambari Academy, National Examinations Board |
Tribhuvan Highway, Birgunj

WORK EXPERIENCE

Mathematics & English Tutor **June 2025 – Sept 2025**

Taught Basic Mathematics and English Literature to Grade 9 and Grade 10 students. Prepared lesson plans, assessed student progress, and provided individualized support to improve academic performance while fostering an engaging and positive learning environment.

SKILLS

• Technical Skills:

Programming Languages: Java, Python, JavaScript, SQL, HTML, CSS

Web Development: React.js, Node.js, PHP, REST APIs, CRUD Applications, MVC Architecture

Databases: MySQL, MongoDB, Supabase, DynamoDB

AI & Cloud: Machine Learning, Generative AI, LLM APIs, AI Automation, AWS (EC2, S3, Lambda, SageMaker, Comprehend), Cloud Computing

Software Development: Object-Oriented Programming (OOP), Software Design Principles

Tools & Platforms: Git, GitHub, Docker, Postman, VS Code, Eclipse IDE, Apache NetBeans, Jupyter Notebook, MySQL Workbench, AWS Management Console, ClickUp, Slack

Operating Systems & Hardware: Windows, Linux (Ubuntu), WSL, Arduino Uno, Raspberry Pi, IoT

- **Soft Skills:** Leadership, Problem Solving, Emotional Intelligence, Time Management, Adaptability

ACADEMIC PROJECTS

IoT Smart Agriculture | Python, Arduino Uno, Raspberry Pi, IoT

Developed an IoT-based smart agriculture system using Raspberry Pi and Arduino Uno to monitor soil moisture and environmental conditions in real time. Implemented automated irrigation, sensor data collection, and a monitoring dashboard to improve water efficiency and crop management.

PERSONAL PROJECTS

Diwali Sales Data Analysis | Python, Pandas, NumPy, Matplotlib, Seaborn, SciPy, Jupyter Notebook

Performed end-to-end exploratory data analysis (EDA) on the Diwali Sales dataset using Python to uncover customer purchasing behavior and generate business insights. Implemented data cleaning, preprocessing, feature engineering, statistical analysis, and data visualization techniques, including correlation analysis, ANOVA, and Chi-Square hypothesis testing. Utilized Pandas, NumPy, Matplotlib, and SciPy to analyze demographic trends, product preferences, and regional sales patterns, enabling data-driven decision-making through actionable business recommendations.

TRAINING & CERTIFICATIONS

- AWS Academy Cloud Foundations | 18 Dec 2024
- AWS Academy Data Engineering | 18 Dec 2024
- AWS Academy Machine Learning Foundations | 28 Dec 2024
- AWS Academy Machine Learning for Natural Language Processing (NLP) | 28 Dec 2024

REFERENCES

Sudip Dahal | Senior Lecturer | Software Engineer, Islington College

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Manish Shrestha | CEO | Gazzab Ko Tuition & Language Coaching Centre

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