

UDIP MAHARJAN

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CAREER OBJECTIVE

Driven and analytical individual with a strong interest in Artificial Intelligence, Machine Learning, and Data Science, committed to developing innovative and impactful technology solutions. Skilled in Python, Java and front-end development, with a passion for applying technical knowledge to solve real-world challenges. Dedicated to continuous learning, professional growth, and staying current with emerging technologies. Recognized for leadership, teamwork, analytical thinking, creativity, and effective problem-solving. Aspiring to contribute to forward-thinking organizations while building expertise in intelligent systems and data-driven decision-making.

EDUCATION

BSc (Hons) Computing with Artificial Intelligence

SLC (GPA 3.73/4)

Islington College | 2024 - Present

United Academy | 2022 - 2024

SKILLS

Technical Skills:

AI & Automation: n8n, Zapier, Workflow Automation, LLM Applications

Programming Languages: Python, Java, JavaScript, SQL, C

Backend & APIs: FastAPI, REST APIs, API Integration

Data Science: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow

Databases & Data Storage: MySQL, Firebase Firestore

Web Technologies: HTML, CSS, JavaScript

Tools & Platforms: Git, GitHub, Docker, Power BI, Firebase, Jupyter Notebook, VS Code

Operating Systems: Windows, Linux

Soft Skills:

Leadership, Teamwork, Problem-Solving, Analytical Thinking, Creativity, Communication, Time Management, Adaptability, Continuous Learning

PROJECTS

Lekhantra - AI Study Assistant

Python, Fast API

- Developed an AI-powered study assistant that enables students to upload PDFs, ask questions from their notes, and generate exam and viva preparation material.
 - Built the backend using Python, FastAPI, PyMuPDF, and the OpenAI API, with a responsive HTML, CSS, and JavaScript frontend.
 - Implemented PDF text extraction, AI-powered question answering, exam/viva question generation, and response copy, download, and clear functionalities.
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AI-Powered Customer Feedback Automation

Zapier, AI by Zapier

- Built an automated customer feedback workflow that captures survey responses through Google Forms and processes them using Zapier.
 - Integrated AI to classify customer feedback by sentiment and theme, generate concise summaries, and provide improvement recommendations.
 - Automated structured storage of AI analysis in Google Sheets and configured conditional Gmail alerts for low-rated responses.
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Email Automation & Classification

n8n, Gemini

- Built an automated n8n workflow that receives portfolio contact-form emails from Formsfree through Gmail.
 - Integrated Gemini AI to analyze incoming messages, extract relevant information, and assign a priority based on predefined criteria.
 - Used JavaScript for structured data processing and automatically recorded extracted information in Google Sheets for organized tracking.
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GitGarden

HTML, CSS, JavaScript

- Developed an interactive web platform to help beginners learn Git through lessons and practical exercises.
 - Designed a responsive interface with quizzes and hands-on learning activities.
 - Focused on improving user engagement and accessibility.
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DriveKTM

Java, JSP, MySQL

- Developed a dynamic web-based vehicle rental management system using Java, JSP, and Servlets.
- Integrated a MySQL database to manage customer, vehicle, and booking records with CRUD operations.
- Deployed the application on Apache Tomcat, ensuring seamless interaction between the frontend, backend, and database.

Voter Card Registration System

Java, Java Swing

- Developed a desktop application for managing voter registration records.
 - Implemented features for voter registration, record updates, deletion, and validation.
 - Applied searching, sorting, and queue/stack data structures to improve data management efficiency.
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Gym Management System

Java, Java Swing

- Developed a desktop application to manage gym memberships, attendance, and membership plans.
 - Applied object-oriented programming principles to build a modular and maintainable system.
 - Implemented member registration, loyalty points, and attendance tracking features.
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Smart Farming with IoT

C++

- Designed and implemented an IoT-based smart farming system for automated irrigation.
 - Integrated environmental sensors to monitor soil moisture, temperature, humidity, and water levels in real time.
 - Enabled remote monitoring and pump control through the Blynk platform to improve water management.
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Skin Care Management System

Python

- Developed an inventory and sales management system for a skincare business using Python.
 - Implemented product management, billing, inventory tracking, and automated invoice generation.
 - Utilized file handling to store and manage sales and inventory records.
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TRAINING AND CERTIFICATIONS

AWS Academy Data Engineering - AWS

Dec 2024

AWS Academy Machine Learning Foundations - AWS

Dec 2024

Machine Learning for Natural Language Processing - AWS

Dec 2024

Foundations: Data, Data, Everywhere - Google

Nov 2024

Python for DataScience, AI & Development - IBM

Aug 2024

Introduction to Front-End Development - Meta

Aug 2023