Rawal Dallakoti

Computerscience undergraduate skilled in machine learning, NLP, azure and AWS cloud architecture. Delivered projects in Weather-Based Rainfall Prediction Using Meteorological Data during AI/ML internships and Emotion Classification. Proficient in Python eager to excel in a dynamic internship.

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WORK EXPERIENCE

Adex International

Apprenticeship April 2025 - June 2025

- Gained hands-on experience with core AWS services like EC2, S3, IAM, VPC, RDS, DynamoDB, and CloudFormation through labs and real-world projects.
- Designed and deployed scalable, secure, and fault-tolerant cloud architectures using ELB, Auto Scaling, Route 53, and CloudWatch.
- Built multi-tier and serverless applications, practiced backup strategies, and used tools like AWS CLI, CloudFormation, and AWS Skill Builder.

E-Prabidhi Pvt Ltd

Internship Jan 2025 - March 2025

- Gained hands-on experience in Python, NumPy, Pandas, and data preprocessing techniques including EDA, feature engineering, and data cleaning.
- Built and evaluated ML models like linear/logistic regression, k-NN, decision trees, and k-means clustering using Scikit-Learn on real-world datasets.
- Worked with Jupyter, Google Colab, GitHub, and visualized data using Matplotlib and Seaborn; also explored basic NLP tasks with text preprocessing and TF-IDF.

EDUCATION

Tribhuvan University

Bachelor's in computer application - 3.35 April 2021 - August 2025

Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Computer Networks, Operating Systems, Web Development, Software Engineering, Machine Learning

PROJECTS

Weather-Based Rainfall Prediction Using Meteorological Data Feb 2025

- Performed extensive data preprocessing, including handling missing values and feature selection.
- Conducted Exploratory Data Analysis (EDA) using seaborn and matplotlib to visualize feature distributions and correlations.
- Implemented a Random Forest Classifier, optimizing hyperparameters using GridSearchCV to improve accuracy.
- Evaluated the model using cross-validation, confusion matrix, and classi cation report, achieving reliable prediction results.

SKILLS

Technical: Python, SQL, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, Streamlit, AWS solutions, Azure, Git
Soft: Team Collaboration, Problem-Solving

CERTIFICATE

Microsoft Certified: Azure AI Fundamentals

AWS Certified Cloud Solutions Architect(SAA C03)