

PUJA KADAYAT

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OBJECTIVE

Driven by a passion for solving problems through technology. I build full-stack applications and derive insights from data to create meaningful impact. Whether developing educational platforms or analyzing customer trends, I focus on delivering solutions that work. Always eager to learn, adapt, and contribute to projects that challenge me to grow.

EDUCATION

Bachelor of Computer Science, Kathmandu University

2021 - 2026

SKILLS

Languages:	Python, Javascript, SQL, Dart
Web Development:	MERN Stack, Django, Flutter, Firebase
Databases:	SQL, MongoDB, Firebase Firestore, Mysql, Sqlite
Data Analysis:	Python (Pandas, NumPy, Matplotlib), SQL, Excel, PowerBi, Data Visualization,Statistical Analysis
Tools and Technologies:	Git,Github,Firebase,Rest APIs, Postman,Figma,Canva,
Soft Skills:	Communication,Teamwork,Time Management, Problem Solving,Attention to detail, Adaptability

PROJECTS

Kakshya

MERN Stack,Material UI, Redux

- Developed web app with role-based dashboards (Student, Teacher, HOD).
- Enabled features like attendance tracking, grade management, and administrative tasks.
- Designed responsive UI for seamless user experience.
- Improved efficiency in academic processes and communication.

Nepalese Culture Based English Flashcard (Hackathon third place project) *fastApi, Reactjs,Google Gemini Ai,OpenAI Whisper*

- Developed a nepalese culture based english flashcard with adaptive learning approach.
- Created flashcards that teach English words using Nepali cultural context.
- Implemented smart learning system that adapts to user's progress
- Built tracking system to monitor learning performance
- Designed engaging interface with culturally relevant examples

AI Resume Analyzer

Reactjs,Puter.js

- Developed a modern web application using React, React Router, and Puter.js for intelligent resume analysis
- Implemented secure resume upload and cloud storage functionality using Puter.js
- Integrated AI-powered ATS scoring system to match resumes with job descriptions
- Built browser-based authentication without requiring backend infrastructure
- Designed responsive and reusable UI components

Winkle "A multi Vendor App"

Flutter,Firebase

- Developed a comprehensive multi-vendor mobile application
- Created cross-platform solution for local e-commerce ecosystem with dual-role user system
- Implemented secure vendor and customer registration and verification process
- Built real-time product listing and inventory management system
- Integrated order tracking and management system

Yatra

Flutter,Firebase

- Developed a user-friendly app for seamless hotel and flight bookings
- Integrated real-time availability, secure payments, and location-sharing features.
- Core modules include user login, hotel/flight booking, and reservation management

- Simplified travel planning, saving users time and effort

DataQuest "A Public Surveying Website"

MERN Stack

- Developed versatile platform for surveyors to create and share survey forms
- Enabled surveyors to create and share survey forms via link
- Implemented data storage panel to organize and manage survey results
- Integrated data visualization features for real-time analysis and reporting

MyBlog "A Blogging Website"

Django

- Developed blog platform with writer and reader roles.
- Implemented category-based organization and image uploads
- Created features for article creation, editing, and publishing
- Designed responsive interface for seamless reading experience

Streamlit Dashboard

Pandas, Matplotlib, Streamlit

- Built interactive data mining dashboard for exploratory data analysis and pattern discovery
- Implemented clustering, classification, and association rule mining algorithms
- Developed automated data preprocessing pipeline for data cleaning and transformation
- Designed intuitive interface for performing data mining tasks and generating actionable insights

BlinkIT Data Analysis

SQL, Python, PowerBI

- Analyzed Blinkit grocery data using SQL to extract, filter, and aggregate raw data
- Performed data cleaning and exploratory analysis (EDA) using Python (Pandas, NumPy)
- Built interactive Power BI dashboards to visualize category performance, pricing trends, and KPIs
- Delivered business insights on product categories, ratings, and sales patterns

Banking Customer Data Analysis

Pandas, SQL, Powerbi

- Analyzed comprehensive banking customer dataset to understand demographics and account behavior
- Performed customer segmentation analysis using clustering techniques
- Conducted churn analysis to identify at-risk customers and factors contributing to attrition
- Provided data-driven insights for personalized marketing campaigns and customer retention programs

Hospital Readmission Analysis (CMS Healthcare Data)

Pandas, NumPy, Matplotlib

- Analyzed 18,000+ CMS hospital records to study 30-day readmission performance.
- Cleaned data and engineered key metrics including readmission rate and Excess Readmission Ratio.
- Performed segmented analysis by state, medical measure, and hospital size.
- Visualized insights to identify high-risk and high-performing hospitals.

Customer Trend Data Analysis

Pandas, SQL, Powerbi

- Implemented time-series analysis techniques to uncover seasonal trends and growth trajectories
- Developed customer segmentation models based on RFM (Recency, Frequency, Monetary) analysis.
- Built predictive models to forecast customer lifetime value and purchase probability
- Generated actionable insights resulting in improved customer retention strategies

E-commerce Sales Analysis

Pandas, SQL, Powerbi

- Conducted comprehensive analysis of e-commerce sales data to identify revenue drivers
- Performed exploratory data analysis revealing seasonal trends and peak sales periods
- Identified top 20 percent products generating 80 percent of revenue using Pareto analysis
- Delivered actionable recommendations for inventory management and targeted marketing strategies

CERTIFICATES

- Web Application Technologies and Django
- SQL (Intermediate)
- Python for Data Science, AI and Development
- Databases and SQL for Data Science with Python
- Python Project for Data Science

University of Michigan

HackerRank

IBM

IBM

IBM