

Abhishek Patrabansha Shrestha

AI / ML Engineer | Flutter | UI/UX

abhishekstha404@gmail.com | abhishekpatriabansha.com.np | linkedin.com/in/abhishekstha404 | github.com/AbhishekShrestha404 | Kathmandu, Nepal

SUMMARY

BSc CSIT student focused on building and integrating machine learning systems. Developed a K-Means-based customer segmentation pipeline in Python, including preprocessing, clustering, and visualization, and shipped production features during a Flutter internship. Interested in AI/ML engineering roles involving model integration and real-world applications.

WORK EXPERIENCE

Flutter Developer Intern | Dec 2025 - Apr 2026 | Infocom Solutions Pvt. Ltd.

Skills: *Flutter, Dart, REST API.*

- Built mobile app screens in Flutter and connected them with REST APIs.
- Fixed app issues and improved basic app performance for Android and iOS.

UI/UX Designer Intern | Jun 2025 - Dec 2025 | Vyomite (Remote)

Skills: *Figma, Wireframing, Prototyping, User Flows, Design Systems*

Redesigned the company website from scratch. Built Figma prototypes and ran user feedback sessions to test designs. Delivered a full design system covering layout, typography, and colour.

- Redesigned website pages in Figma with wireframes, user flows and components.
- Created prototypes and reusable design parts for developer handoff.

PROJECTS

Customer Churn Prediction API | Apr 2026

Skills: *Python, XGBoost, FastAPI, SHAP, PostgreSQL, SQLAlchemy, Docker, pytest, GitHub Actions.*

Built and deployed XGBoost churn prediction API (AUC-ROC: 0.86) with FastAPI SHAP explanations.

- Built preprocessing pipeline (encoding, scaling, OHE) for train-inference consistency.
- Built async PostgreSQL storage, Dockerized application and CI/CD with pytest and GitHub Actions.

Personal Portfolio | Oct 2025

Skills: *Astro, Typescript, Github.*

- Built a simple personal website to show projects, case study, and contact details.

Customer Segmentation for Ad Campaigns | Jul - Sep 2025

Skills: *Python, Scikit-learn, K-Means Clustering, Pandas, Jupyter Notebook.*

- Developed a customer segmentation pipeline using K-Means clustering to identify behavioral segments.
- Used insights to propose targeted marketing campaigns and UI improvements.

TECHNICAL SKILLS

ML and Data: Python, Scikit-learn, XGBoost, K-Means Clustering, SHAP, Pandas, Feature Engineering, Jupyter Notebook

Backend and APIs: FastAPI, REST API, PostgreSQL, SQLAlchemy, Docker

Mobile: Flutter, Dart

Design: Figma, Wireframing, Prototyping, User Flows, Design Systems

Tools: GitHub, VS Code, GitHub Actions, pytest

EDUCATION

Orchid International College

2022 - 2026

BSc. Computer Science and Information Technology (BSc. CSIT)

Kanjirowa National Secondary School

2019 - 2021

High Secondary School | GPA: 3.36

CERTIFICATIONS

Professional Python and Django Training - Broadway Infosys Nepal

Introduction to Generative AI: Art of the Possible - AWS Skill Builder