

AYUSH TIWARI

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Location: Pune, Maharashtra, India

OBJECTIVE

Aspiring Software Developer with strong skills in Python, C++, JavaScript, full-stack development, and machine learning. Passionate about building scalable backend systems, REST APIs, and efficient real-world applications. Seeking an opportunity to contribute to impactful engineering and development projects.

EXPERIENCE

Full Stack Developer Trainee

Mar 2025 – Present

QSpiders Software Training

Pune, India

- Developed and deployed **Python applications** to automate repetitive workflows, reducing manual effort and enhancing overall process efficiency.
- Optimized application performance by **refactoring code**, structuring backend logic, and debugging to improve execution speed and reliability.
- Developed end-to-end **mini full-stack projects** involving UI development (HTML, CSS, Tailwind CSS), server-side logic, and database interaction.

PROJECTS

Predictive Analysis for Customer Retention (Customer Churn Prediction) — *Pandas, Scikit-learn, Python*

- Built a **machine learning model** to predict customer churn using Logistic Regression, Random Forest, and XGBoost.
- Performed **data cleaning, preprocessing, exploratory data analysis (EDA)**, and **feature engineering**.
- Evaluated models using **ROC-AUC, precision, recall, and confusion matrix**.

Customer Segmentation — *Python, Machine Learning, Pandas, Scikit-learn*

- Implemented **K-Means clustering** to segment customers based on purchasing behavior and spending patterns for targeted marketing strategies.
- Performed **data preprocessing, feature scaling, and exploratory data analysis (EDA)** to improve clustering performance.
- Applied the **Elbow Method and silhouette score** to determine the optimal number of clusters and validate segmentation quality.

SKILLS

Programming Languages: Python, C++, JavaScript

Web Technologies: HTML, CSS, Tailwind CSS

Backend Frameworks: Flask, FastAPI

Databases: SQL

Libraries: NumPy, Pandas

Core Concepts: Object-Oriented Programming (OOP), REST APIs

Tools: VS Code, PyCharm, Salesforce

EDUCATION

Bachelor of Technology — Computer Science and Engineering

Graduated: 2024

Acropolis Institute of Technology and Research

Indore, India

CGPA: 7.17 / 10

CERTIFICATIONS & ACHIEVEMENTS

- AWS Academy Graduate — Cloud Architecting**
- Salesforce Trailhead Ranger Rank — 53,675 points**
- Naukri Campus NCAT — All India Technical Evaluation:** Ranked at national level