

# SHANMUKH RAJENDRA PATLE

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## Summary

Computer Science Engineer skilled in software development and data analytics, proficient in Python, Java, and MySQL. Experienced across the SDLC from requirement analysis to deployment. Strong in debugging, documentation, and teamwork; seeking a challenging Developer role to build efficient software solutions.

## Skills

**Programming & Querying:** Java, Python, SQL, MySQL, HTML

**Frameworks & Tools:** Flask, Power BI, Git

**Core Competencies:** Object-Oriented Programming (OOP), Data Analysis, Problem Solving, Debugging

## Experience

### Data Analyst Intern

June 2024 – Dec 2024

TENET Computer And Communication Pvt.Ltd. (Hybrid)

Tools Used: Excel, SQL, Power BI, Flask

- Executed the project **"Image-Based Recommendation and Insight Analysis with Enhanced UX Model"** during a 6-month internship.
- Developed a **CNN-based recommendation system** enabling users to upload images for product suggestions on an e-commerce platform.
- Built **secure user authentication and purchase routes using Flask**, with credentials stored securely in SQL Server.
- Integrated **SQL Server with Power BI** for live dashboards, providing insights on sales trends, product performance, and supporting business decisions.

## Projects

### SAR In Disaster Detection And Mitigation | Python, ML

Jan 2025 – May 2025

- Developed an **end-to-end system** for automatic detection of floods, landslides, and earthquakes using Synthetic Aperture Radar (SAR) imagery.
- Preprocessed SAR data using **LEE filtering, edge detection, and GLCM texture analysis** to extract meaningful features.
- Applied **Min-Max normalization** and trained six machine learning models (SVM, Logistic Regression, KNN, Random Forest, Naive Bayes, Decision Tree), achieving up to **98% accuracy** with cross-validation.
- Built a **Flask-based web application** allowing users to upload SAR images and receive real-time disaster predictions.

### Sales Dashboard for E-Commerce | Power BI, Power Query

April 2024 – May 2024

- Developed an interactive sales dashboard in Power BI to visualize key performance indicators (KPIs), sales trends, and product performance for an e-commerce company.
- Created dynamic charts and filters to track total sales, top-performing products, and monthly growth.
- Used Power BI's DAX formulas to calculate and analyze key metrics, supporting data-driven decision-making for marketing and sales teams.
- Delivered the dashboard to stakeholders, providing clear visual insights to optimize business strategies and identify growth opportunities.

## Certifications

- Blinkit Data Analysis Certificate – WsCube Tech (2024):** Completed 8 practical case studies involving SQL, data cleaning, and dashboard.
- NPTEL Supply Chain Analytics – 2024:** Focus on demand forecasting and inventory management.

## Education

### B.Tech. Computer Science And Engineering

G.H Raisoni College Of Engineering, Nagpur

Graduated: 2025

CGPA: 8.00 / 10