

# **Shashank Patgar**

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## **Objective**

A motivated and detail-oriented Electronics and Communication Engineering student with a passion for machine learning, computer vision, software development and Web Development. Seeking opportunities to leverage my skills in a challenging and growth-oriented environment.

## **Education**

### **Visvesvaraya Technological University, Bhatkal, India**

*Bachelor of Engineering in Electronics and Communication Engineering*

Dec 2021 - July 2025

- GPA: 8.1/10

## **Work Experience**

### **Alar, Uttar Kannada, India**

*Intern, Development*

July 2023 – Present

- Collaborated on a team to create a Proof of Concept (POC) for a new solution, demonstrating its potential benefits and gathering positive feedback for future implementation strategies.
- Integrated Python models into native C++ applications using OpenCV DNN, ensuring smooth real-time processing.
- Created multiple Python scripts to facilitate computer vision tasks.

### **GoldenBird**

*Intern, Development*

August 2024 – Present

- Undergoing training in Python, machine learning, and professional skills development such as creating resumes and LinkedIn profiles.
- Learning to communicate effectively with industrial experts and professionals.
- This internship is ongoing and expected to provide comprehensive exposure to industry practices and standards.

## Projects

### Face Expression Detection

Jan 2022 – May 2022

- Developed a real-time expression detection system using Python and OpenCV to identify and classify human emotions from facial expressions.
- Achieved 95% accuracy in classifying emotions such as happiness, sadness, and anger.
- Presented the project at [Conference Name], receiving positive feedback from peers.

### SMS/Email Spam Detection

May 2021 – April 2021

- Developed a machine learning model to detect spam messages using a dataset from Kaggle.
- Implemented data preprocessing techniques such as tokenization, stopword removal, and TF-IDF vectorization.
- Trained and evaluated various machine learning models including Naive Bayes, Logistic Regression, and Support Vector Machines.

### Hotel Room Booking Management System

- Developed a comprehensive hotel room management system for database management using SQL and XAMPP.
- Designed and implemented a relational database schema to manage hotel room reservations, customer information, and billing.
- Created and executed SQL queries to perform CRUD (Create, Read, Update, Delete) operations efficiently.
- Built a user-friendly interface to interact with the database and streamline hotel management processes.

## Skills

- **Programming Languages:** Python, Java, C++, JavaScript, PHP
- **Web Technologies:** HTML, CSS, ReactJs
- **Databases:** MySQL
- **Tools & Platforms:** Pandas, NumPy, Django, MatLab

## Certifications

- Python for Everybody Specialization (Coursera, UMI)
- 998-381 Microsoft Technology Associate
- Neural Networks and Deep Learning
- C++ Advanced Certification (LinkedIn Learning)