

Shubham Kulkarni

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Links

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Academic Details

Bachelor of Engineering (B.E.)

Electronic & Telecommunication

Dr. Vitthalrao Vikhe Patil College of Engineering,
Ahmednagar.

-2025

Soft Skills

Analytical | Collaborator | Leader | Adaptable

Technical Skills

Programming Languages:

C++, Python

Tools:

jupyter, Django, Flask, Pandas, LLM

Matlab, Github.

Others:

Adv. Excel, MS Office, Linux.

Core Competencies

Machine Learning

Embedded System

AI

Gen AI

IoT

Data Analyst

Microsoft 365

Cloud Computing

Certifications

- Geodata Processing using Python – ISRO
- AI for MATLAB – MathWorks
- Career Essentials in Generative AI – Microsoft
- Postman API Fundamentals Student Expert

Personal Details

Date of Birth: 21th Feb 2004

Languages Known: English, Hindi and Marathi

Profile Summary

- Python Developer** specializing in **AI, IoT, and data analytics**, with a track record of delivering impactful, efficient solutions through clean and scalable code.
- Arranged the College Festive event with **1k entries**.
- Work as Campus Ambassador of Geeksforgeeks Company in Last Year.
- Proven track record in my team leadership with **AIR 1** at the Smart India Hackathon 2023 Organized by **Government of India**.
- Possess in-depth **knowledge of multiple technology stacks**, contributing to efficient product developments.

Experience

Artificial Intelligence Intern

Jun 2023 – Aug 2024

IBM India Pvt. Ltd.

An a 3-month internship at IBM which was focusing on **Artificial Intelligence using Gen AI**.

Responsibilities:

- Engineered** Gen AI prompt development project, resulting in an enhanced customer engagement rate of 15%.
- Developed** a Mental Health Fitness Tracker using Python and AI, achieving 90% accuracy in mood detection, helping users track and improve mental health.
- Collaborated** with cross-functional teams to refine project deliverables, integrating user feedback for a more responsive design.

Embedded System Intern

Feb 2023 – Apr 2024

Emertxe Information Technical

Designed and implemented architecture for multiple washing machine modes, increasing modularity and operational flexibility.

Responsibilities:

- Developed** a PICsimlab washing machine simulation model, achieving a 20% improvement in simulation accuracy through dynamic mode adjustment capabilities.
- Utilized** PIC microcontrollers and advanced simulation tools to enhance system efficiency and performance metrics, showcasing technical and analytical skills.

Academic Projects

Alumni Management Portal

July 2022 – Present

Tools: Python, Flask, Django, HTML, CSS, Docker

Currently developing a portal to connect college alumni, aimed at enhancing community networking and engagement.

Responsibilities:

- Designed a secure, scalable backend with Flask and Django, enhancing data management efficiency and implementing robust user authentication for seamless alumni networking.
- Designed to connect and engage college alumni, fostering a strong and active alumni network.

A line Following Robot

Jan 2024 – May 2024

Mini Project (3rd year)

An automatic robot that follows a black line, based on the Arduino Mega.

Responsibilities:

- Engineered an Arduino-based line-following robot, achieving 95% course accuracy through optimized path-following algorithms, highlighting robotics and automation expertise.
- Built** system architecture and simulated various path-following algorithms to improve response times and accuracy.

Academic Achievements

- Led the **"Enigma Engineers"** team to **AIR 1**, developing an award-winning solution for a real-world problem recognized by the Government of India..
- Got 2 times 6 days of training on **Innovation, Design and Product Development** by the **Government of India** in Nagpur & Vizag.
- Secured **Runner-Up** position at the AI Hackathon organized by **TIAA Global Pvt. Ltd.**, leading a team of 4 in developing an innovative AI solution.