



# Shubh Barnwal

## Web App Developer

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### PROFILE

Hi, I'm Shubh Barnwal! A Python developer with expertise in Data Structures and Algorithms, backend programming, and full-stack web development. Skilled in designing efficient, scalable systems, developing APIs, and managing databases. Proficient in problem-solving, debugging, and optimizing code for performance. Strong collaborator with excellent communication skills and a proven ability to quickly adapt to new technologies in dynamic environments.

### EDUCATION

**Kalasalingam Institute of Technology**, Bachelor of Technology  
C.G.P.A- 7.88

09/2022 – 2026  
Virudhnagar, India

**Pitts Modern School**, Senior Secondary School

03/2020 – 02/2022  
Gomia, India

**Pitts Modern School**, Secondary School

Gomia, India

### PROFESSIONAL EXPERIENCE

**Participant**, Hackare 2.0  
Participant in 24hr Hackathon

10/2024 – 10/2024

**Python Development Internship**, OctaNet Service Pvt. Ltd.

06/2024 – 07/2024

**Participant**, AI Forge

### SKILLS

Python

Data Structure and Algorithm

Web Development (Html, CSS, JavaScript)

### LANGUAGES

- English
- Hindi

### PROJECTS

#### Smart Traffic System using IoT

- Built an IoT-based system for real-time traffic monitoring and adaptive signal control.
- Implemented emergency vehicle priority and traffic data analytics for congestion reduction.

#### Smart Meal Revival System

- Built a donation platform with secure authentication and donation tracking.
- Enabled NGO coordination and published a research paper on the system's impact.

#### Smart Parking System with Blockchain and ALPR

- Developed a blockchain-secured parking management system with automated ALPR entry/exit.
- Integrated IoT sensors for real-time slot availability and smart contracts for automated payments.

#### Rental Platform, Built a full-stack web application for item rentals at fixed prices

- Created a web application for renting items with secure user accounts, bookings, and payments.
- Designed a responsive interface for real-time rental tracking and management.

#### AI Resume Analyzer

- Developed an AI-powered resume analysis web application with instant feedback and scoring.
- Built using React, TypeScript, Tailwind CSS, and Vite for a fast, responsive, and modern UI.

### COURSES

**Data Structure and Algorithm**, Geeks For Geeks

**After Effect : Motion Graphics Beginner to Intermediate**, Udemy

### INTERESTS

Video Editing