

# Prateek Rathod

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 [Prateek Rathod](#)

## PROFILE

A highly motivated and detail-oriented B.E. graduate with a strong passion for software development. Proficient in problem-solving, coding, and web development, with a solid foundation in Data Structures and Algorithms (DSA). Skilled in designing efficient, scalable solutions and developing responsive, user-friendly web applications. A quick learner with a growth mindset, eager to explore emerging technologies and contribute innovative solutions to impactful software projects. Strong collaboration and adaptability skills, with a commitment to continuous learning and excellence in software development.

## SKILLS

- ❖ Java
- ❖ HTML, CSS, JavaScript
- ❖ Python
- ❖ C, C++
- ❖ React.js
- ❖ Teamwork
- ❖ Communication
- ❖ Video Editing

## EDUCATION

- ❖ BMS College Of Engineering  
(2022-2026)
- ❖ XI/XII (Narayana Junior College)  
(2020-2022)
- ❖ Gnyana Sudha Vidyalaya, Bidar  
(2020)

## ACADEMIC PROJECTS

### ❖ **Portfolio Website:**

Developed a personal portfolio website using React.js to showcase web development projects. Demonstrates proficiency in modern front-end development, responsive layouts, component-based architecture, and interactive user interfaces using React features like hooks and state management.

### ❖ **Food Delivery App:**

Developed an interactive web application using HTML, CSS, and JavaScript for a responsive and user-friendly front-end interface. Designed and implemented the back-end with Python to handle server-side logic, user authentication, and data processing. Integrated database management for efficient data storage and retrieval, ensuring smooth functionality. Focused on enhancing user experience with real-time updates, seamless navigation, and dynamic content rendering.

### ❖ **Coffee Shop:**

Developed a coffee shop mobile application using Android Studio, featuring item selection, quantity adjustment, cart functionality, and a payment page displaying a QR code. The app includes user-friendly features like viewing product ratings and smooth navigation between screens. Implemented various Android components such as menus, ScrollView, RecyclerView, BottomAppBar, ProgressBar and multiple layout types including LinearLayout, ConstraintLayout, FrameLayout and nested layouts, ensuring a responsive and interactive user interface.

### ❖ **Clothes Shop Implementing Micro-Services:**

Developed a basic cloth shop application implementing core microservices concepts within a Service-Oriented Architecture (SOA). The project included essential functionalities such as GET, POST, DELETE operations, and a simple payment module (without third-party integration). Each service—such as ordering and payment—was containerized individually using Docker to ensure modularity and scalability. This project focused on understanding and applying the fundamentals of SOA and microservices using lightweight, self-contained components.

### ❖ Offer Letter Generator Using RPA:

Developed an RPA project titled "Offer Letter Generator" using an unattended robot in UiPath. Gained hands-on experience in connecting robots to Orchestrator, designing and deploying workflows, and automating document generation by converting Word files to PDF. Additionally, explored concepts such as data input through forms, variable management, file handling, automation of repetitive HR tasks, and error handling within workflows. This project demonstrated practical knowledge of end-to-end automation using UiPath and orchestration of unattended bots.

### PUBLICATION

#### ❖ “Studies of Artificial Intelligence Applications of Drones – A Review”:

Rupali Kumari, Pragathi, Preeti V. Uttur, Rashmitha, Prateek Rathod **Published in:** International Journal of Creative Research Thoughts (IJCRT) **Date:** January 17, 2025 **Registration ID:** 275692 | **ISSN:** 2320-2882 A comprehensive review of AI-based drone applications in agriculture, surveillance, logistics, and disaster response.