

# PANKAJ PRAMOD KOLI

B.Tech. - CSE - Cloud Computing

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## BRIEF SUMMARY

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Detail-oriented and adaptable Cloud Computing undergraduate with hands-on experience in full-stack and AWS-based development. Skilled in analyzing requirements, designing efficient solutions, and collaborating within Agile teams to deliver reliable, high-quality software.

## PROFESSIONAL EXPERIENCE

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### Internship

06/2025 - 12/2025

Adosolve - AI Engineer

- Designed and implemented AI-driven features to enhance intelligent decision-making and automation.
- Integrated AI models with backend services using REST APIs for real-time inference and application usage.
- Collaborated with product and development teams to convert business requirements into scalable AI solutions.
- Worked on cloud-based deployment concepts and basic MLOps practices for model testing and monitoring.

### Internship

07/2022 - 08/2022

Mountreach Solutions Pvt Ltd Amravati - Android Developer

- Developed user-friendly Android applications using Android SDK.
- Designed responsive UI layouts using XML, Material Design principles, and Android Studio tools.
- Handled user authentication, input validation, and secure data storage.
- Debugged and optimized applications for performance, memory usage, and responsiveness.
- Implemented REST API integration for real-time data fetching and backend communication.
- Used Git and GitHub for version control and team collaboration.

## EDUCATION

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### B.Tech. - CSE - CLOUD COMPUTING

2022 - 2026

MIT ADT UNIVERSITY, LONI KALBHOR, PUNE

CGPA: 7.25 / 10

### Diploma - Information Technology

2020 - 2023

GOVERNMENT POLYTECHNIC, MURTIJAPUR, AKOLA

Percentage: 78.56 / 100

### 10th (SSC)

2019 - 2020

ST. ALOYSIUS CONVENT HIGH SCHOOL, BHUSAWAL

Percentage: 89.60

## TECHNICAL SKILLS

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- **Java**(Exception Handling, Multithreading), **C++**(Pointers, Memory Management, DSA), **Python** (OOPs, Automation).
- **HTML5, CSS3** (Flexbox, Grid), **JavaScript** (DOM manipulation).
- **Cloud Computing**: AWS (EC2, S3, IAM, VPC, CloudWatch).
- **MySQL** (Relational Design, Queries, Joins), **MongoDB** (NoSQL, Collections, CRUD Operations).
- **Git** (Version Control, Branching, Merging), **GitHub** (Repositories, Collaboration, Pull Requests).
- **Soft Skills**: Communication, Problem-Solving, Team Collaboration, Adaptability, Time Management.

## PROJECTS

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### Yatri AI - A Perfect Trip Planner

Team Size: 3

Key Skills: React.js node.js Google Maps API Gemini APIs

Project Link: <https://github.com/Pankzz30/Yatri-AI>

- Built an AI-based trip planner that generates personalized itineraries and travel suggestions.
- Developed a React.js frontend with clean UI and smooth animations.
- Created a Node.js + Express backend for API handling and trip generation logic.
- Integrated Gemini/OpenAI APIs and Google Maps API for intelligent recommendations and map visualization.

### CI/CD Pipeline for Cloud Application

Technologies: AWS EC2, GitHub Actions, Docker, Linux.

- Designed and implemented a CI/CD pipeline using GitHub Actions.
- Automated build, test, Docker image creation, and deployment to AWS EC2.
- Configured SSH-based secure deployment and environment variables.
- Reduced manual deployment effort and ensured faster release cycles.

### GESTURE CONTROLLED MOUSE USING MACHINE LEARNING

Team Size: 3

Project Link: <https://github.com/Pankzz30/gesture-mouse>

- Led client-style discussions to define problem scope and expected outcomes.
- Built an AI-based gesture recognition system using MediaPipe and OpenCV for real-time control.
- Applied analytical thinking and user-focused design for touchless computer control.

## PUBLISHED REASEARCH PAPER

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IJEAST (<http://www.ijeast.com>)

30/04/2025

Mentor: Prof. Aditi Wangikar No. of Authors: 3

In this research paper it consist of the information about system which leverages the capabilities of the MediaPipe library and OpenCV to accurately detect and track hand gestures in real time through a standard webcam. The virtual mouse controller, implemented in Python, interprets the hand gestures to enable intuitive and natural interaction with the computer.

## CERTIFICATIONS

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- Industrial Training  
Certificate

- AWS Cloud Technical  
Essentials

- Full Stack Development

## SEMINARS / TRAININGS / WORKSHOPS

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### Introduction to Cloud Computing and AWS

AWS Academy (Online)

Key Skills: Cloud Fundamentals, AWS Core Services, Virtualization, IAM, EC2, S3

Attended a beginner-level seminar introducing cloud computing concepts.