# PRADEEP KUMAR

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## SKILLS

C C++ PYTHON
HTML CSS JS REACT
NODE.JS FLASK
VSCODE CHATGPT
FIGMA FLUTTERFLOW
JUPYTER NOTEBOOK

## CERTIFICATES / AWARDS

### Sankalp 23 , 2024
This certificate provided for participating in Web page / Website & E-commerce Designing during workshop " sankalp 23" held at Bkbiet , pilani in association with Swar Sangam , Kolkata.

### ANANTAM Techfast 2024
This certificate provided for participating in Bid Boundaries in the " Anantam Techfest " organized by IEEE BKBIET SB & GDSC BKBIET held at Bkbiet , Pilani .

### Python Full Stack TRANING 2024
This certificate provided for training in PYTHON FULL STACK WEB DEVELOPMENT at the "Linux World Information Pvt. Ltd. India " .

### AWS SERVIES
This certificate provided for 42 AWS Cloud AI Services in just 9 hours at the "Linux World Information Pvt. Ltd. India " .

## LANGUAGES

English Advanced ●●●○○
Hindi Proficient ●●●●○

## SUMMARY

I am a passionate full stack developer with a strong foundation in backend technologies like Python, Flask, and AWS, along with frontend development expertise using HTML, CSS, and JavaScript. With a focus on integrating cutting-edge solutions, I've built a wide range of projects, from scheduling automated emails and sending WhatsApp messages to deploying web applications using Docker and AWS. My work also involves leveraging cloud infrastructure for scalable applications and creating interactive user interfaces.
I have hands-on experience in containerizing applications with Docker, automating tasks with Python, and setting up cloud environments using AWS services such as EC2. I continuously push the boundaries of technology, learning new tools, and applying them to solve real-world problems.

## EXPERIENCE

### FULL STACK WEB DEVELOPMENT TRAINING
LinuxWorld Informatics Pvt Ltd. India — jaipur

## EDUCATION

### High school , Mathematics
Shri Gayatri Sr. Sec. School Chandgothi — 07/2021 - 03/2022

### Matrix, Mathematics
Shri Gaytri Sr. Sec. School Chandgothi — 03/2019

### Bachelor of Technology, Computer Engineering , CSE
B K Birla Institute of Engineering & Technology, Pilani — 10/2022

## PROJECTS

### *Communication Tools:

**Project: Send SMS**
The project allows users to send SMS messages directly from the web app using an API integration. It provides an input form where users can enter the recipient's phone number and the message, which is then sent via the backend using a service like Twilio or Infobip API.

- **Technologies Used**:
  - **Frontend**: HTML, CSS, JavaScript for creating input forms.
  - **Backend**: Python (Flask) to handle API requests.
  - **API Integration**: Twilio/Infobip API for sending SMS.

**Project: Send WhatsApp Messages**
This project enables users to send WhatsApp messages through the app. After entering the recipient's WhatsApp number and message, the backend communicates with the Infobip API to send the message.

- **Technologies Used**:
  - **Frontend**: HTML, CSS, JavaScript for input form and interaction.
  - **Backend**: Python (Flask) for handling API requests.
  - **API Integration**: Infobip API to send WhatsApp messages.

And more like make phone calls, send emails and schedule emails directly from the app.

## *Social Media Integration:

**Project: Post Photos on Instagram**
**Summary**: This project allows users to post photos directly to their Instagram account from the web app. Users can upload an image, provide a caption, and the app uses Instagram's API to post the image to the specified account.

- **Technologies Used**:
  - **Frontend**: HTML, CSS, JavaScript for image upload and input forms.
  - **Backend**: Python (Flask) for handling image data and making API calls.
  - **API Integration**: Instagram Graph API to post the image on the user's account.

**Project: Capture Photos Using a Webcam**
**Summary**: This project enables users to capture photos using their webcam directly from the web app. After clicking a button to activate the webcam, the app captures the image and displays or processes it (e.g., saving or sending).

- **Technologies Used**:
  - **Frontend**: HTML, CSS, JavaScript for capturing and displaying the webcam feed.
  - **JavaScript Library**: getUserMedia() API for webcam access.
  - **Backend**: Python (Flask) for saving or processing the captured images.

## *Cloud Services:

**Project: Integrate AWS Services and Launch EC2 Instances**
**Summary**: This project allows users to interact with AWS services directly from the web app, specifically focusing on launching EC2 instances. Users can start, stop, and manage EC2 instances by providing necessary parameters like instance type, region, and key pairs. This functionality is integrated with AWS's API, providing a user-friendly interface for managing cloud infrastructure.

- **Technologies Used**:
  - **Frontend**: HTML, CSS, JavaScript for input forms and managing AWS actions.
  - **Backend**: Python (Flask) with the **boto3** library to interact with AWS services.
  - **AWS Services**: EC2 for launching and managing instances.
  - **Security**: AWS IAM roles for permissions, and AWS SDK (boto3) for API calls.