

# Sudhanshu Awasthi

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**AI DEVELOPER | DATA ENGINEER | DATA SCIENTIST | DATA ANALYST**

## PROFESSIONAL PROFILE

I am passionate about leveraging the latest advancements in artificial intelligence and machine learning to forge a successful career in the industry. With experience in developing innovative AI solutions, web applications, and IT services, I have a strong background in creating and implementing data-driven applications. I am proficient in both front-end and back-end development using technologies such as ReactJS, Flask, and Django. My key responsibilities include integrating AI algorithms and models into applications to enhance functionality and user experience, as well as designing responsive web applications that ensure seamless interaction between front-end and back-end components. I utilize machine learning techniques for data analysis, providing insights and predictive capabilities to support decision-making. Collaborating with cross-functional teams, I identify opportunities for AI implementation and strive to improve application performance. Skilled in synthesizing business intelligence and trend data, I successfully implement data collection systems to enhance statistical efficiency and drive insights. A self-motivated and hardworking professional, I demonstrate a high degree of flexibility, creativity, and resourcefulness, committed to meeting demanding schedules and achieving goal-oriented deadlines.

## Key Skills

- Data Analysis
- Data Mining
- ReactJS
- NodeJS
- Flask
- Data Visualization
- Report Writing
- APIs
- Docker
- Tailwind
- Data Management
- Report Automation
- Ad-hoc Reports Creation
- Problem solving
- Data Analysis Techniques

## EDUCATIONAL QUALIFICATION

<b>2024</b>	<b>MCA [Data Science and Artificial Intelligence]</b> Babu Banarasi Das University
<b>2022</b>	<b>Bachelor of computer Application</b> University of Lucknow   Ranked 3rd

## WORK EXPERIENCE

**Sept 2024 - Current    Senior AI Developer at DigiRocket Technologies**

### 1) Led the development AI Website Builder.

- Product Development: Designed using **ReactJS, Flask, and Django**.
- Team Management: Managed a high-performance development team.
- NLP Integration: Enhanced user experience with **NLP techniques**.
- Database Management: Utilized **MySQL** for data storage.
- UI/UX Design: Created responsive interfaces with **ShadCN UI & TailwindCss**
- AI Features: Integrated OpenAI **API** for content suggestions.

### 2) Led the development of AI Data2Report

- Product Development: Designed Using **ReactJS, Flask, Django, Google API**
- Team Management: Managed a high-performance development team.
- Database Management: **MongoDB** for data storage
- UI/UX: **TailwindCSS, ShadCN UI**
- AI features: **Added voice chatbot, AI Video narration and explanation**

### 3) Developed a Python tool for extracting data from XML sitemap-linked webpages.

- Key Features: Gathers meta titles, descriptions, and word frequency while excluding irrelevant links.
- Database Storage: Saves data in MySQL for easy access.

Technologies Used: **Python, Requests, BeautifulSoup, Laravel, MySQL, Flask, APIs**

## WORK EXPERIENCE

Oct 2023 – Sep 2024

**Royal Mount Academy Computer  
Instructor Cum Web developer**

- Developed and delivered AI courses on machine learning and data science, enhancing students' knowledge and practical skills.
- Facilitated interactive learning and mentorship to improve student engagement and outcomes.
- Organized AI seminars and workshops for professional development.
- Designed assessments and provided feedback to track student progress.
- Managed and secured the school's website and database.
- Enhanced website functionality using HTML5, CSS3, JavaScript, and React.js.

## INTERNSHIP EXPERIENCE

Feb 2024 – May 2024

**Mecatredz Technology PVT. LTD.  
Intern**

- Developed and implemented algorithms for number plate detection, leveraging computer vision techniques to accurately identify vehicle number plates
- Trained machine learning models using TensorFlow and OpenCV, achieving high accuracy in number plate recognition.
- Documented the project comprehensively, including methodologies, results, and recommendations for potential improvements, ensuring clear and actionable insights for future enhancements.

## PROMINENT PROJECTS HANDLED

- **AI Website Builder:** Created a Fully functioning AI Website Builder That generates website from scratch based on User Input and description.

Technologies used: **Reactjs, Flask, Tailwind CSS, PostGreshSQL, OpenAI API, NLP**

- **AI Data2Video App:** Led the development of fully functioning App that Converts the Raw data from Google Analytics, Google Search Console and Google Mercent Data into Video reports that includes Data visualization and AI explanation and narration

**Technologies used:** Reactjs, flask, Django, GA4, GSC, GM APIs, Tailwind CSS, MongoDB

- **Web Based Vet Registration and Appointment scheduling App:** Freelanced An Web Based software for an Vet Org which enable them to register any pets, tracks diagnosis, tracks inventory, and sends reminder for vaccinations and alert the organization when inventory is about to exhaust

**Technology used:** Reactjs, NodeJs, Tailwind, Schdcn/UI, Twilio API for WhatsApp

## TECHNICAL SKILLS

- Python
- JavaScript
- Reactjs/Nextjs
- Flask/Django
- APIs
- MySQL/NoSQL
- AWS
- SQL
- Snowflake
- Hadoop Distributed File System (HDFS)
- Apache
- Hadoop Apache Airflow
- Machine Learning
- Natural Language Processing
- ETL
- Git Version Control

## LANGUAGE KNOWN

- English C1 Level
- Arabic A2 Level
- German A2 Level