

# Aman Kumar

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## Experience

### Full Stack Web Development Intern

Vedsar. Pvt. Ltd. | 2024-06 – 2024-08

- Designed and developed responsive websites using HTML, CSS, JavaScript, and React. Helped in fixing bugs and errors to improve website performance.
- Collaborated with team members and gained experience in Git & GitHub for version Control.
- Collaborated with backend team to build a secure authentication system using Node.js and Express.

### AI/ML Intern

Edunet Foundation | Remote 2025-06 – 2025-08

- Gained hands-on experience in Machine Learning algorithms such as Regression, Classification, and Clustering. Worked on a mini-project involving data preprocessing, model building, and evaluation using Python.
- Learned and applied tools like NumPy, Pandas, Scikit-learn, and Jupyter Notebook.
- Improved knowledge of AI concepts such as supervised vs. unsupervised learning and model evaluation metrics.

## Projects

### Food Delivery Web App

- Developed responsive food delivery app using React, Redux, Firebase, React Router.
- Implemented state management with Redux and navigation with React Router.
- Hosted on Firebase for real-time deployment.

### E-commerce Website

- Developed full-stack web application for online shopping and order management.
- Built with React.js, Node.js, Express, MongoDB.
- Implemented user authentication, product catalog, cart, and payment integration.

### Water Quality Prediction

- Built ML model to classify water as safe/unsafe using Python, Pandas, Scikit-learn.
- Achieved 84.6% accuracy.
- Deployed real-time prediction app with Streamlit.

### EV Charging Demand Prediction

- Forecasted EV charging demand using time-series modeling (Python, Pandas, Scikit-learn).
- Achieved 78.4% accuracy / RMSE score.
- Deployed interactive Streamlit dashboard with real-time predictions & visualizations.

### Smart Irrigation System

- Predicted irrigation needs using sensor data (soil moisture, temperature, humidity).
- Implemented with Python, Scikit-learn, Streamlit.

## Education

### Sam Higginbottom University of Agriculture, Technology and Sciences Prayagraj

B.TECH. in Computer Science & Engineering 2022-08 – Present

### UP Board

Senior Secondary (12th) in 2022

### UP Board

High School (10th) in 2020

## Skill

**Programming & Scripting:** C, C++, JavaScript, Python, Java, HTML, CSS, TypeScript

**Front-End Development:** React.js, Bootstrap, Tailwind CSS, Next.js, Three.js

**Back-End Development:** Node.js, Express.js, GraphQL

**Databases:** MySQL, MongoDB, PostgreSQL, FireBase

**Data Science & AI:** Artificial Intelligence, Machine Learning, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Streamlit

**Technologies:** CI/CD pipeline, Git Version Control, RestAPI

**Cloud Services and Deployment:** AWS, Google Cloud platform, Microsoft Azure, Netlify, Vercel

**Containers:** Docker container, Kubernetes, GitLab

**Testing :** Selenium, JUnit, Postman

**Other Skills:** Problem-solving and analytical thinking, Understanding of software development lifecycle (SDLC), Basics of Object-Oriented Programming (OOP) and design patterns.

## Certificate

Full stack web development From (Vedsar) June 2024  
Artificial Intelligence and Data Analytics From (AICTE) July 2025  
Artificial Intelligence and Machine learning From (AICTE) August 2025