

## Adesh Kumar Sharma

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LinkedIn: <https://www.linkedin.com/in/adesh-kumar-sharma-jbp/>

GitHub: <https://github.com/Adesh-Kumar-Sharma>

Portfolio: <https://portfolio-adesh-sharma.vercel.app/>

### EDUCATION

• Jabalpur Engineering College	2018-22
B. Tech. Electrical Engineering	CGPA 7.71/10
• St. Joseph's Public School, Ranpur, Kota	2016-17
CBSE Class XII	79.2% Aggregate
• St. Gabriel's Senior Secondary School, Jabalpur	2014-15
CBSE Class X	CGPA 9.6/10

### WORK EXPERIENCE

#### OpenSense Labs

Bhopal, India

##### Associate Software Developer

January 2023 – March 2025

- Back-end developer, worked on Edredo.com, at OpenSense Labs.
- Tech Stack: Linux, Drupal, PHP, MySQL, Bitbucket, Git, Postman, HTML, CSS, JS, Express.js, Node.js, MongoDB, Git, REST APIs, Next.js, SCORM, Stripe, Razorpay, CCAvenue, Plural.
- Tools: Bitbucket, Github, Gitlab, JIRA.
- Developed and optimized RESTful APIs for Edredo (LMS), improving content creation, assignments, and quiz performance (e.g., post creation time cut from 6.88s to <2s) for 100K+ users.
- Implemented Unicode (utf8mb4) support, SCORM integration, bulk quiz imports, and payment gateways (Razorpay, Stripe, CCAvenue, Plural).
- Led R&D for Drupal 7 to 9 migration: audited 82 custom modules, 148 views; refactored 700+ deprecated PHP calls; ensured OOP and Next.js compatibility.
- Collaborated with frontend and QA teams; added custom status codes for 2,400+ endpoints, fixed bugs, handled cron automations and hotfixed deployments.
- Built user analytics (karma and expertise), improved search performance, and added features like team assignment locking and enhanced notifications.
- Edredo website: <https://edredo.com>

#### OpenSense Labs

Bhopal, India

##### Software Developer Trainee

July 2022 – January 2023

- Learned and worked upon projects on: LAMP Stack, MERN Stack, Drupal, Version control, Remote repositories, Web development.

### PROJECTS

#### E-commerce ETL Analytics Pipeline & Dashboard

- An end-to-end data engineering project that builds a complete ETL pipeline for e-commerce data, stores it in a PostgreSQL data warehouse, and presents real-time business intelligence through an interactive Streamlit dashboard.
- GitHub repository: <https://github.com/Adesh-Kumar-Sharma/ecommerce-analytics-pipeline>
- Deployed app link: <https://ecom-etl-pipeline.streamlit.app/>

#### Customer Churn ML Prediction Backend

- An end-to-end machine learning project that serves a customer churn prediction model via a RESTful API built with FastAPI. The project is containerized using Docker for easy deployment and scalability on platforms like Render or Railway.
- GitHub repository: <https://github.com/Adesh-Kumar-Sharma/ml-churn-prediction>
- Deployed app link: <https://ml-churn-prediction.onrender.com/docs>

#### Customer Churn ML Prediction Frontend

- A modern and interactive frontend for the above Dockerized FastAPI Customer Churn Prediction API. To use: easily input sample customer data, submit to the ML backend, and get instant churn status.
- GitHub Repository: <https://github.com/Adesh-Kumar-Sharma/ml-churn-frontend>
- Deployed app link: <https://ml-churn-frontend.vercel.app/>

#### Portfolio Website - Adesh Kumar Sharma

- A modern and responsive portfolio website built on Next.js version 14. This portfolio website project showcases my skills, experience and projects with a clean interface that stands out. It is built with server-side rendering, TypeScript and the latest web development standards for optimal performance.
- GitHub repository: <https://github.com/Adesh-Kumar-Sharma/portfolio-adesh>
- Deployed website link: <https://portfolio-adesh-sharma.vercel.app/>

## ONLINE CERTIFICATIONS

• CI CD with Azure DevOps - Boards, Pipeline, YAML Deployment -	<a href="#">Udemy Course Link</a> - <a href="#">Certificate link</a>
• Automate the Boring Stuff with Python Programming -	<a href="#">Udemy Course Link</a> - <a href="#">Certificate link</a>
• The Complete Full-Stack Web Development Bootcamp -	<a href="#">Udemy Course Link</a> - <a href="#">Certificate link</a>
• Machine Learning Using Python -	<a href="#">SimpliLearn Course Link</a> - <a href="#">Certificate link</a>
• Data Structures and Algorithms in Python -	<a href="#">SimpliLearn Course Link</a> - <a href="#">Certificate link</a>
• Automata Theory -	<a href="#">Academy Europe Course Link</a> - <a href="#">Certificate link</a>
• Elements of AI -	<a href="#">University of Helsinki Course Link</a> - <a href="#">Certificate link</a>

## INTERNSHIP/TRAINEESHIP EXPERIENCE

<b>Ordinance Factory Khamaria</b>	Jabalpur, India
<b>Power Distribution Trainee</b>	June 2021-July 2021
• Got trained on power distribution from HT lines to LT lines to the factory and its estate.	
• Experimented with switchgear and SCADA systems.	

<b>Pochocki Technical Training &amp; Services</b>	Remote
<b>Electrical Vehicles Trainee</b>	June 2020-June 2020
• Learned about functioning and building of electrical vehicles.	
• Got good knowledge on regenerative braking in EVs.	

<b>TEQIP-III (Conducted at JEC)</b>	Jabalpur, India
<b>Industrial Automation with PLC Trainee</b>	January 2020-January 2020
• Studied PLC automation in industries and their programming.	

<b>Central Training Institute (MPPKVVCL)</b>	Jabalpur, India
<b>Power Distribution Trainee</b>	May 2019-June 2019
• Trained for power distribution from HT lines to LT lines in mainly AC power transmission.	
• Studied maintenance and inside-out design of step-down power transformers.	

## EXTRACURRICULARS

<b>Manthan Quiz Participation, Conducted by MANIT Bhopal, JEC</b>	2019
• Participated in a software-related quiz held at my college.	
<b>ChimeraX Quiz Participation, Conducted by MANIT Bhopal, JEC</b>	2019
• Participated in a general knowledge quiz held at my college.	
<b>Personality Enhancement Program by Dale Carnegie Training, UPES</b>	2018
• Got certified at a 3-day workshop for personality enhancement at UPES, Dehradun by Dale Carnegie Training team.	

## AWARDS & ACCOMPLISHMENTS

• Short Film Festival:	
- Secured Runner-up position in state-level river-conservation filmmaking team project.	
- Medal issued by the Government of M.P. in November 2019.	
- Created and managed Visual Effects for a Short Film on Narmada River Conservation as a social cause under 'Clean Narmada' project.	
- Edited the film from start to finish.	
- Short film link: <a href="https://www.youtube.com/watch?v=ArSPZlvVTt8">https://www.youtube.com/watch?v=ArSPZlvVTt8</a>	

## LANGUAGE PROFICIENCY

• English (Native or bilingual proficiency)
• Hindi (Native or bilingual proficiency)
• German (Elementary proficiency)