

Aadesh Kumar Sharma
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GitHub: <https://github.com/Adesh-Kumar-Sharma>
Portfolio: <https://portfolio-adesh-sharma.vercel.app/>

EDUCATION

- | | |
|---|----------------------------|
| • Jabalpur Engineering College
B. Tech. Electrical Engineering | 2018-22
CGPA 7.71/10 |
| • St. Joseph's Public School, Ranpur, Kota
CBSE Class XII | 2016-17
79.2% Aggregate |
| • St. Gabriel's Senior Secondary School, Jabalpur
CBSE Class X | 2014-15
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 - [Udemy Course Link](#) - [Certificate link](#)
- Automate the Boring Stuff with Python Programming - [Udemy Course Link](#) - [Certificate link](#)
- The Complete Full-Stack Web Development Bootcamp - [Udemy Course Link](#) - [Certificate link](#)
- Machine Learning Using Python - [SimpliLearn Course Link](#) - [Certificate link](#)
- Data Structures and Algorithms in Python - [SimpliLearn Course Link](#) - [Certificate link](#)
- Automata Theory - [Academy Europe Course Link](#) - [Certificate link](#)
- Elements of AI - [University of Helsinki Course Link](#) - [Certificate link](#)
- Relational Database - [FreeCodeCamp Course Link](#) - [Certificate link](#)

INTERNSHIP/TRAINEESHIP EXPERIENCE

Ordnance Factory Khamaria

Jabalpur, India

Power Distribution Trainee

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.

Pochocki Technical Training & Services

Remote

Electrical Vehicles Trainee

June 2020-June 2020

- Learned about functioning and building of electrical vehicles.
- Got good knowledge on regenerative braking in EVs.

TEQIP-III (Conducted at JEC)

Jabalpur, India

Industrial Automation with PLC Trainee

January 2020-January 2020

- Studied PLC automation in industries and their programming.

Central Training Institute (MPPKVCL)

Jabalpur, India

Power Distribution Trainee

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

Manthan Quiz Participation, Conducted by MANIT Bhopal, JEC

2019

- Participated in a software-related quiz held at my college.

ChimeraX Quiz Participation, Conducted by MANIT Bhopal, JEC

2019

- Participated in a general knowledge quiz held at my college.

Personality Enhancement Program by Dale Carnegie Training, UPES

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: <https://www.youtube.com/watch?v=ArSPZlvVTt8>

LANGUAGE PROFICIENCY

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