Adesh Kumar Sharma

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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. This 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](#)

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 (MPPKVVCL)   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)