

# Akash Vishwakarma

East Delhi , New Delhi, 110096

📞 9717707384 ✉️ [aakxsh17@gmail.com](mailto:aakxsh17@gmail.com)

🌐 <https://github.com/Aakxsh> <https://www.linkedin.com/in/akash-vishwakarma2217/>

## Experience

**Einfratech System India Pvt. Ltd. | Web Developer, Technical Ownership** **May 2024-June 2025**

- Built a role-based HR Letter Web Portal using **Next.js**, **MongoDB**, and **PDFKit** for **dynamic letter generation**.
- Integrated secure login, automated role assignment, and **CRUD operations** for letter templates.
- Developed **REST APIs** and tested workflows in Postman, improving reliability and maintainability.
- Reduced manual HR **effort by 60% through real-time PDF** preview, editing, and download features.
- Used **Git** for version control and team collaboration across modules.

**Oasis Infobyte | Backend Development, API Integration, System Reliability (Remote)** **Aug 2023 – Sep 2023**

- Refactored legacy **API endpoints using Node.js and Express**, significantly improving response times and ensuring stability under high user load scenarios.
- Collaborated with the frontend team to **ensure smooth data flow** and user experience by implementing **efficient API** response structures.
- Applied basic **machine learning models** (e.g., user behavior prediction or trend analysis) using Python and integrated results into the dashboard for admin insights.

## Skills

**Languages:** C++, JavaScript, React, NOSQL, HTML/CSS

**Frontend:** React, Next.js, Redux, Tailwind CSS

**Backend:** Node.js, Express.js.

**Databases & Caching:** MongoDB, MySQL.

**Cloud :** Git, GitHub, Git bash.

**AI & API Integrations:** Google Gemini API, Google Map API, Razorpay, NextAuth, Postman.

## Projects

### AutoPred Vehicle

- Built a **vehicle prediction system** that utilizes **machine learning algorithms** to predict various vehicle metrics and performance indicators.
- Designed and **implemented RESTful API** using node.js and express.js to efficiently handle data requests and responses.
- Database Management **utilizes MongoDB** for robust data storage and retrieval, ensuring **high performance** and scalability.
- Created a **user-friendly interface with React and Figma Design**, providing **dynamic data** and achieved user interaction.

### Movie Information

- Built a full-Created a responsive movie website using **HTML5, CSS (Tailwind CSS) and JavaScript**, delivering a visually appealing interface with **modern web Technology**.
- Integrated **external APIs** for **real time** movie data updates, leveraging **JavaScript Fetch API** for seamless data Integration.
- Ensured website accessibility across devices with responsive design principles **utilizing media queries** and Tailwind CSS for **adaptable layouts**.
- Implemented **interactive features** like, **Search, Sorting and Dynamic Content** using JavaScript, improving overall user engagement and navigation.

### Uber Clone

- Built a full-stack Uber Clone using **MERN stack** (MongoDB, Express, React, Node.js) with secure JWT authentication and **bcrypt password hashing**.
- Implemented **ride booking flow** with vehicle selection, **real-time ride status**, and location-based search using **Google Maps API**.
- Created role-based dashboards for users and drivers with **features like ride history, profile tracking, and vehicle management**.
- Designed a **responsive UI with React + Tailwind CSS**, and managed data with MongoDB and Mongoose schemas.

## Achievements

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- Presented research paper “**Enhancing the Security of Web Applications**” at **ICICC International Conference (2024)**.
- Co-authored paper “**Application of Data Science & Machine Learning in Combating COVID-19**” at **ANTIC 2024 International Conference**.
- Co-authored “**Hybrid Model for Predicting Used Car Prices**” at **ICAIT 2024 (NLP + Random Forest)**.
- Received certificated in Python and DBMS academic achievements award.

## Education

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### **Ajay Kumar Garg Engineering College**

**Nov 2021 – April 2024**

- *Bachelor of Technology in Computer Science and Engineering with Data Science (CGPA: 7)*

*UP, India*

- *Problem solving in Data Structures and algorithms.*

### **Accurate Institute of Management and Technology**

**Aug 2018 – Sep 2021**

*Diploma in Computer Science and Engineering (CGPA: 8)*

*UP, India*