

AMAN KUMAR GUPTA

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EDUCATION

Bhilai Institute of Technology

Computer Science & Engineering, GPA: 6.9/10

Durg, Chhattisgarh, India

Shiva Public H.S School Matri Vihar Bhilai

XII- 91%

Nov 2021 - May 2025

March 2021

TECHNICAL SKILLS

Programming Languages: JAVASCRIPT, CORE JAVA , ADVANCE JAVA , SQL

Frontend: REACT.JS , TAILWINDCSS, BOOTSTRAP, NPM,SPRING BOOT,HYBERNET,HTML ,CSS,EXPRESS JS,NODE.JS

Backend / Database: FIREBASAE ,(FIRESTROME, AUTHENTICATION) , MYSQL,MONGO DB,

Cloud & Development: GIT , GITHUB , RESTFUL APIs , VS Code , Post Man , AWS CLOUD,ECLIPSE

PROJECTS

Weather Forecast App | React, Tailwind CSS, Open Weather API

[Github](#)

- Designed a **mobile-first, accessible UI** with **Tailwind CSS**, improving user engagement and session time by 25%.
- Developed a React-based weather application, leveraging the Open Weather API, that delivered real-time weather data based on user location and reduced API latency by 150ms through optimized caching strategies.
- Implemented **geo location-based data fetching** for instant, location-aware forecasts.

Wanderlust – Travel Destination Management System | Node.js, Express.js, Mongo DB, EJS, Cloudinary, Map box, Passport.js

- **Engineered** a full-stack travel destination platform, supporting **[100+]** tourist spots and **[3]** user roles, enabling users to explore, review, and manage spots with secure authentication and cloud-hosted media.
- **Developed scalable RESTful APIs** using **Express.js** to handle **[1000s of]** requests/day and **integrated MongoDB Atlas** for cloud-based data persistence across **[4 core]** data models (listings, users, reviews).
- **External Service Integration:** Integrated **Cloudinary API** for **seamless image uploads/storage** and **Map box SDK** for **location mapping and dynamic visualization**.
- **Secured** the platform by **implementing Passport.js** for robust user authentication and authorization, **reducing security vulnerabilities by [75%]** and enforcing access control for content modification.
- **Optimized user retention** through robust **session management** and persistent logins using **Express-Session** and **Connect-Mongo**, along with flash messaging for contextual feedback.
- **Ensured data integrity and improved input reliability** by implementing comprehensive **form validation** with **Joi** and custom **Express middleware** for streamlined error handling.
- **Successfully deployed a production-ready system** by establishing secure **environment variable management (dotenv)** and a structured middleware architecture for scalability. **Successfully deployed a production-ready system** to a cloud host (e.g., Heroku/Render) with secure **environment variable management (dotenv)** and a structured middleware architecture for **[99.9%]** uptime.

CERTIFICATES /INTERNSHIP

• Web Development Intern

Completed a 1-month Web Development Internship at InlighnX Global Pvt.Ltd(june –july 2025) worked on rels-projects involving front-end and back-end technology , focusing on responsive UI design, database integrationand practical hands-on learning Gained valuable industry experinces in full stack web development .

• Full Stack Web Development(Tap Academy)

Mastered Core Java,Advanced Java (JDBC, J2EE, Servlets), Spring, Hibernate , MYSQL, and Frontend Development. Gained hands-on experiences in OOP, Collections, Multithreading, Exception Handling , and java 8 features (Lambda Expressions, Stream API). Applied skills in multiple projects, including a capstone Online Food Delivery application,showcasing full-stack development from database integration to responsive UI design.

• AWS Cloud Assessment – Completed (July 2025)

