




# Vivek Chaubey

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## Academic Qualification

Year	Course	University	Result
2017-21	B.Tech.(CSE)	AKTU	83.3%
2016-17	Intermediate	ICSE	87.4%
2014-15	High School	ICSE	84.5%



## Technical Skills

- C • Java • Python • Algorithms and Data Structures • DBMS • Gen - AI
- HTML • CSS • Tailwind CSS • JavaScript • TypeScript • React-Redux • UI Component Libraries
- Next JS • Node JS • Django • REST APIs • Git & GitHub
- MongoDB • MySQL/ PostgreSQL



## Experience

### Freelance - Software Engineer

July 2023 - Present

- Experienced in Django for building scalable web applications with Python. Proficient in creating RESTful APIs, handling ORM for database management, and implementing security best practices like user authentication and authorization.
- Integrated static file handling for media content and built dynamic views to deliver a responsive and user-friendly interface
- Leveraged AWS Lambda and Elastic Beanstalk for scalable deployment and ensured optimal performance.
- Developed reusable components to enhance code modularity and facilitate easier maintenance in Next Js.
- Implemented responsive design principles using component libraries ( Material-UI, Shadcn UI, Aceternity UI ) and CSS frameworks (Bootstrap, Tailwind CSS) for a consistent user experience across device & cross browser compatibility.
- Followed MongoDB best connection practices. Design and implementation of database schemas, queries, and indexes to efficiently store and retrieve data.along with efficient data modeling, server- side routings and handling streaming responses with aggregation pipeline
- Implemented authentication and authorization mechanisms using technologies like JWT, cookies, session storage, OAuth, Next Auth, Middlewares, ZOD schema resolver, providing credentials encryption & decryption for secure user access.
- Used Email provider like Resend, Node Mailer for OTP based user verification & included real time AI Integration (Open AI)

### Xoriant - Associate Software Engineer (G1) - Software Engineer (G2)

Sep 2021- May 2023

- Completed an intensive 4-month training program focused on UI-UX. Covering Web Fundamentals- HTML, CSS, Basic to Advanced JavaScript, TypeScript, React Js, Redux, Next Js along with Development & testing tools, Version Control Systems like Git, Unit Testing and UX best practices followed along with their worksheets and presentations.
- Implemented state management solutions using Redux, Context-API and various React Hooks for efficient data flow and application-wide state handling.
- Designed and implemented RESTful APIs using Node - Express and Next Js. Integrated third party APIs and created own custom APIs to enable seamless communication between the frontend and backend.
- Conducted thorough debugging and performance optimization using React Dev Tools, Postman & browser developer tools to enhance application responsiveness and load times.



## Personal Projects

**Mystry Message** - Innovative App with Next.js and MongoDB integration. Enables users to securely sign up & log in with proper validations, send and receive anonymous messages. Features include a dashboard to manage received messages, AI-powered suggestions, and OTP-based email verification. Leveraged Zod Resolver, React Hook Forms, NextAuth, ChatGPT AI integration and MongoDB aggregation pipeline for seamless user experience.

**Tweet App** - Developed a Twitter-like web application using Django, featuring customized user registration, login, and logout functionality with Django's built-in authentication system. Implemented custom forms using Django Forms for user input validation and error handling. Designed database models for managing tweets, user profiles, and relationships, with Django ORM for seamless database integration. Built views and templates to handle routing, rendering, and dynamic content. Integrated static image upload for user profiles and tweets, leveraging Django's static and media file handling. Managed URL routing for scalable application structure

**Video to Text Summarizer** - Developed a video-to-text summarizer app using Django, featuring secure user authentication and session management. Integrated third-party API for video transcription and ChatGPT API for text summarization. Utilized Django ORM to manage data storage and retrieval with a cloud-hosted PostgreSQL database. Designed views and templates for dynamic content display and user interaction. Employed Django's URL routing for efficient request handling and scalable architecture. Implemented robust error handling and optimized performance for API interactions and database queries

**Netflix Clone** - Developed a Netflix clone app using Django, featuring user authentication for secure access. Implemented video preview and 'add to list' functionality, allowing users to manage personalized watchlists. Designed search functionality for efficient content discovery, with Django ORM handling data management on a cloud-hosted PostgreSQL database. Leveraged AWS Elastic Beanstalk for scalable deployment and ensured optimal performance. Integrated static file handling for media content and built dynamic views to deliver a responsive and user-friendly interface

**Spotify Clone** - Developed a Spotify clone app using Django, featuring user authentication for secure access. Integrated a custom Spotify Scraper API to collect song data in real-time. Implemented media controls including play, pause, seek, and 10-second forward/backward functionality, along with a progress bar for real-time song tracking. Built search functionality for efficient song discovery, and used web scraping techniques to retrieve album art and media assets. Managed data with Django ORM and a cloud-hosted PostgreSQL database. Deployed the application using AWS Lambda for serverless, scalable execution

**React-Django Fullstack App** - Developed a full-stack web application with Django REST Framework as the backend and React as the frontend. Implemented JWT token authentication for secure user login and session management. Built CRUD operations using Django serializers, including foreign key serialization for complex data relationships. Utilized Django REST Framework's APIView class to structure API endpoints and create robust models for database operations. Integrated custom data validation logic within serializers to ensure data integrity. Managed data using a cloud-hosted PostgreSQL database and provided seamless communication between the React frontend and Django API..

**BlogSphere Application** – This application allows users to create, read, update, and delete blog posts effortlessly. leveraging React.js's component-based architecture, I designed an intuitive user interface with features such as rich text editing, image uploads using Multer, and real-time previews. By integrating Express.js API endpoints with MongoDB for data storage and retrieval, I ensured seamless communication between the frontend and backend systems. Additionally, I implemented user authentication and authorization using JSON Web Tokens (JWT) to secure user data and restrict access to authorized users.

**Forecaster, Music Academy, Flipkart Clone** - Responsive, visually appealing and highly interactive frontend applications. Use of React-Redux, Next Js, loaded with Javascript & TypeScript configurations. Material UI, Aceternity UI, Tailwind CSS and Framer Motions. Robust Error-Handling, Conditional Rendering features along with Dynamic Searching is experienced.



## Certifications

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- AWS Cloud Practitioner Essentials
- AWS Introduction to Containers
- Xoriant UI-UX Training
- Complete MERN Stack Development course from Udemy
- Power BI and DAX course certified by sqlbi
- Professional Certificate Prepaid: IBM Full Stack Software Developer
- ChatGPT Prompt Engineering by DeepLearning.ai
- The Fundamentals of Digital Marketing by Google Digital Unlocked