

ABHIRAM KUMAR

Mumbai, Maharashtra | +91 7903831089 | abhiramkumar2000@gmail.com | [linkedin.com/in/abhiram-kumar-341ab5140](https://www.linkedin.com/in/abhiram-kumar-341ab5140) | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS

- **Programming Languages:** C++, Java (Core), Python
- **Web Technologies:** HTML, CSS, JavaScript, React.js (Hooks, Context API, Redux, Redux Toolkit), Tailwind CSS, Bootstrap
- **Backend & APIs:** Node.js (RESTful APIs, Middleware, JWT Auth), Express.js
- **Databases:** MongoDB, SQL, Oracle Database
- **Developer Tools & Platforms:** Git, GitHub, Visual Studio Code (VS Code)

EXPERIENCE

MERN Stack Intern

Dec 2024 – April 2025

GeeksforGeeks

Noida

- Developed full-stack applications using MongoDB, Express.js, React.js, and Node.js (MERN).
- Implemented **JWT-based authentication**, route protection, and session management for robust security.
- Optimized frontend performance using React **Hooks**, reducing load time by **40%** and code redundancy by **35%**.
- Integrated **RESTful APIs** for real-time data rendering and seamless client-server communication.
- Collaborated on code reviews and followed best practices in JavaScript ES6+, React Hooks, and backend services.

PROJECTS

SkillSwap – Peer Learning Platform

June 2025

Tech Stack: React.js, Node.js, Express.js, MongoDB, Mongoose, Redux Toolkit, Socket.IO, JWT, Bcrypt.js, Tailwind CSS, Framer Motion, Axios, Express-Validator

- Engineered a full-stack MERN application that connects learners and educators to exchange skills, supporting role-based access for Students, Instructors, and Admins.
- Secured user authentication using **JWT, Bcrypt.js, and HTTP-only cookies** with strict role-based access control.
- Built a real-time chat system with **Socket.IO**, supporting message persistence, booking-specific chat rooms, and authenticated WebSocket connections.
- **Ensured backend security and data integrity** by integrating middleware for input validation, CORS, Helmet, and rate limiting, providing consistent error handling.

DevConnect – GitHub Developer Explorer

April 2025

Tech Stack: React.js, Vite, Tailwind CSS, Axios, GitHub API, Vercel

- Integrated **light/dark mode toggle** using Tailwind's dark variant to enhance user experience and accessibility.
- Added **pagination logic** to efficiently display user records without overloading the UI or API requests.
- Utilized **Axios** for API communication and managed component states with React Hooks.

Driver Drowsiness Detection

Nov. 2023

Tech Stack: Python, OpenCV, NumPy, Pygame

- Designed and trained a **CNN model** with 90% accuracy for real-time driver drowsiness detection.
- Deployed the model with **Pygame** alerts, improving response precision by **15%**
- Used OpenCV for face and eye tracking reduced false positives by 30% using Haar Cascades.

EDUCATION

Master of Computer Application (MCA)

CGPA – 8.21

Graphic Era Hill University, Dehradun

Sept. 2022- June 2024

Bachelor of Computer Application (BCA)

Percentage – 68%

Arcade Business College, Patna

Aug. 2019 – July 2022

CERTIFICATIONS

- **MERN Full-Stack Developer** GeeksforGeeks (Dec 2024 – Apr 2025)
- **Python for Beginners** SkillUP by Simplilearn (Jan 2023)
- **Tech Wizards 2.0 – Mega IT Quiz** Graphic Era Hill University (Dec 2022)