

ABHISHEK KUMAR

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Professional Summary

Full Stack Developer with expertise in **MERN Stack, Core Java, and Python**. Skilled in **React.js, Node.js, Express.js, MongoDB, and SQL** for developing scalable and secure web applications. Experienced in **API development, authentication systems, and database management**. Built projects like **AuthGuard – Secure Authentication System** and **Restaurant Management System**, demonstrating strong problem-solving and software development skills. Passionate about **learning new technologies, optimizing performance, and building user-friendly applications**.

Skills

- **Languages:** C, Java, Python
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Express.js
- **Database Management:** SQL, MongoDB
- **Tools:** Git/GitHub, VSCode, Bootstrap, Tailwind CSS, Microsoft SQL Server
- **Soft Skills:** Adaptability, Problem Solving, Open to learn new skills

Education

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|--|-----------|
| Cochin University of Science and Technology <i>Masters in Computer Application</i> <ul style="list-style-type: none">◦ GPA: 7.58 | 2023-2025 |
| B N Mandal University Madhepura <i>Bachelors in Computer Application</i> <ul style="list-style-type: none">◦ Percentage: 82.41 | 2019-2022 |

Experience

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|---|---------------------|
| Web Development Intern <i>Tech Octanet Services Pvt Ltd</i> <ul style="list-style-type: none">◦ Gained hands-on experience in HTML, CSS, JavaScript, and Bootstrap.◦ Worked on responsive design and user-friendly interfaces.◦ Enhanced teamwork and project management skills through real-world projects. | Oct 2024 – Nov 2024 |
| Full Stack Web Development Intern <i>Main Flow Services and Technologies Pvt. Ltd</i> <ul style="list-style-type: none">◦ Developed and optimized full-stack web applications using React.js, Node.js, Express.js, and MongoDB.◦ Designed responsive user interfaces and implemented RESTful APIs for seamless backend integration.◦ Collaborated in an Agile environment, utilizing Git, GitHub, and third-party API integrations to enhance application functionality. | Nov 2024 – Jan 2025 |

Projects

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|---|--|
| AuthGuard – Secure Authentication System <ul style="list-style-type: none">◦ Developed a full-stack authentication system using Next.js (React, TypeScript), MongoDB, Node.js, Express.js, and JWT. Implemented secure user registration, email verification, password hashing (bcrypt.js), and token-based authentication. Ensured protected routes, session management, and secure API handling following best security practices.◦ Tech Stack: Next.js, React, TypeScript, Node.js, Express.js, MongoDB, JWT, bcrypt.js, Tailwind CSS | |
| Restaurant Management System <ul style="list-style-type: none">◦ Developed a restaurant management system that efficiently handles staff details, menu items, and sales tracking using Node.js, Express.js, and MongoDB. Designed RESTful APIs for CRUD operations, enabling seamless management of employees and menu items. Ensured data validation, error handling, and security while implementing structured database schemas with Mongoose. Optimized database queries for faster retrieval and improved performance, ensuring scalability for future enhancements.◦ Tech Stack: Node.js, Express.js, MongoDB, Mongoose, RESTful APIs, dotenv | |

Real-Time Face Recognition Attendance System

- Developed a real-time face recognition-based attendance system that automates the process of marking attendance using computer vision. **The system captures live video, detects faces using OpenCV's Haar Cascade classifier**, and stores facial data for recognition. It efficiently matches detected faces with stored records to mark attendance, ensuring accuracy and eliminating manual errors. The system securely saves and **updates face data using pickle** serialization for seamless retrieval.
- **Tech Stack:** Python, OpenCV, NumPy, Pickle (for data storage)

Certifications

Kushal Yuva Program (KYP): Kushal Yuva Program for Skill Development Mission
Certification in: JAVA, PYTHON, MERN Stack

Languages Known

English
Hindi