

# ABHISHEK KUMAR

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## Professional Summary

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**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

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

## Experience

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

## PROJECTS

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- 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)
- AuthGuard – Secure Authentication System**
- 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

- 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

## CERTIFICATIONS

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

## Languages Known

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English  
Hindi