

KUNAL KUMAR

Software Developer

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SUMMARY

I am Kunal Kumar, a Bachelor of Computer Applications (BCA) graduate from GIIT Professional College, Kolhan University. I have a solid foundation in software development and technical problem-solving, with strong proficiency in the MERN stack (MongoDB, Express.js, React.js, Node.js), Microsoft Office, and various coding tools. I am dedicated to leveraging my skills in full-stack web development and data management to deliver efficient web applications and contribute to innovative software projects.

EDUCATION

GIIT Professional College, KU

Bachelor's Degree in Computer Applications
2021 – 2024

RMK Inter School

Intermediate (2019 – 2021)
Matriculation (2018-2019)

SKILLS

- HTML, CSS, JavaScript, SQL
- MS Word, MS Excel, Power Point
- C, C++, Java
- MERN
- Problem Solving
- Effective Public Speaking
- Challenge Mitigation
- Analytical Research Skills
- Interpersonal Communication Skills

CERTIFICATIONS

- C(Basic)**
Issued by: Learn Tube by Career Ninja
Completed: September 2022
Certificate ID: C-394202266320
- Learn HTML and CSS Certification**
Issued by: EnvatoTutsPlus
Completed: February 2022
- JAVA(Basic)**
Issued by: Hacker Rank
Completed: January 2025
Certificate ID: C-61830305140DD
- Excel training | Microsoft**
Issued by: IBM SkillsBuild
Completed: February 2025
Certificate ID: URL-829FEB19E9BA
- Newton's Coding Challenge September 2022**
- Newton's Coding Challenge by Code Crush August 2023**

EXPERIENCE

Full Stack Developer Intern

Code Core Global, Jaipur, Rajasthan
May 2025 – August 2025

- Developed end-to-end web applications using modern full-stack technologies including React.js, Node.js, Express, and MongoDB/MySQL.
- Built responsive, user-friendly interfaces and implemented RESTful APIs for seamless frontend-backend integration.
- Optimized application performance and database queries to ensure high efficiency and scalability.
- Integrated third-party services and APIs, enhancing application functionality.
- Collaborated with cross-functional teams to deliver features on time and quickly resolve technical issues.
- Applied version control best practices using Git and followed agile methodologies including daily stand-ups and sprint planning.

Associate Software Developer Intern

INFOTECT SOLUTIONS, Bengaluru, Karnataka
February 2025 – May 2025

- Contributing to the development and maintenance of full-stack web applications using the MERN stack (MongoDB, Express.js, React, Node.js).
- Designing and integrating RESTful backend APIs with interactive frontend interfaces.
- Managing and optimizing database operations to ensure smooth and efficient data handling.
- Enhancing user experience through responsive and dynamic UI development in React.js.
- Implementing user authentication, security best practices, and performance improvements.
- Working collaboratively with the development team to debug issues and improve application functionality.

PROJECT

VillageConnect – Community Engagement Platform

August 2025
Role: Full Stack Developer
Skills Used: React.js, Node.js, Express.js, MongoDB, Socket.io, Tailwind CSS
Description:
Designed, developed, and deployed a feature-rich full-stack community engagement platform empowering rural communities to access essential services, government schemes, forums, and real-time progress tracking. Focused on building a secure, scalable, and user-friendly application with responsive design and seamless functionality.
Key Achievements & Features:

- Implemented Secure Authentication: Built robust JWT-based login/signup with role-based access control for different user types.
- Service Management: Developed CRUD functionalities for adding, updating, and managing community services.
- Interactive Community Forum: Enabled users to post topics, share ideas, and comment, fostering active discussions.
- Real-Time Communication: Integrated Socket.io for instant messaging between users.
- Mobile-First Responsive UI: Designed with Tailwind CSS for smooth usability across all devices.
- High-Performance Backend: Built RESTful APIs with Express.js & MongoDB, ensuring scalability and fast response times.
- Quality Assurance: Wrote backend unit and integration tests using Jest & Supertest to ensure reliability.

Learning Management System (LMS)

March 2025
Role: MERN Stack Developer
Skills Used: React.js, Node.js, Express.js, MongoDB
Description:
Designed and developed a full-stack Learning Management System (LMS) with secure, role-based access for Admins, Instructors, and Students, enabling seamless course creation, enrollment, and real-time progress tracking. Focused on creating a scalable, high-performance platform with an intuitive interface for enhanced user experience.
Key Achievements & Features:

- Secure Multi-Role Authentication: Implemented JWT-based login/signup with access control for different user types.
- Advanced Course Management: Enabled instructors to create, update, and manage both video-based and text-based courses.
- Student-Centric Dashboard: Provided real-time tracking of enrolled courses and progress metrics.
- Automated Quiz System: Integrated auto-graded quizzes for interactive learning and instant feedback.
- Comprehensive Admin Panel: Built tools for user management, content moderation, and activity monitoring.
- Responsive & User-Friendly UI: Developed with React.js to ensure smooth experience across devices.
- Scalable Backend APIs: Designed RESTful services using Express.js and MongoDB for high performance and easy expansion.

JavaScript- Based Secure Password Generator

Jan 2022
Role: Front-end developer
Skills Used: HTML, CSS, JavaScript
Description: Built a user-friendly application to generate secure, random passwords of customizable length and complexity. Integrated features to include special characters, numbers, uppercase, and lowercase letters, ensuring strong password generation.
Key Features:

- Custom Length Options: Generate passwords with a user-defined length (e.g., 6-128 characters).
- Character Set Selection: Include uppercase letters, lowercase letters, numbers, and special characters as per user preference.
- Password Strength Indicator: Visualize password security level based on composition and length.
- One-Click Copy: Easily copy generated passwords to the clipboard for seamless use.
- Responsive Design: Accessible on desktops, tablets, and smartphones.
- Secure and Private: All password generation is handled locally in the browser without any server interaction, ensuring complete privacy.
- User-Friendly UI: Simple and clean design with easy-to-use controls.
- Dark Mode: Optimized for use in low-light environments.