



BRIEF SUMMARY

I'm Nehal Chauhan, a computer science and engineering student at Parul University with a passion for technology and problem-solving. My expertise lies in full-stack development, where I work with technologies like React, Next.js, Node.js, MongoDB, and Redis to build robust web applications. I also have hands-on experience in Android development using Java and Android Studio. Beyond development, I've actively contributed to product quality through manual QA testing, performing test case execution, bug reporting, and UI/UX validation for both web and mobile applications. My technical curiosity extends to ethical hacking tools like AirCrack-ng and creative pursuits like AR lens development in Lens Studio. With a blend of technical skills and a persistent, detail-oriented approach, I'm always eager to take on new challenges in the tech world.

KEY EXPERTISE

Prompt Engineer Manual Testing Java Next.js HTML5 CSS Javascript React.js Node.js Git Github
AirCrack Time Management Work Management Tailwind SQL Express.js

EDUCATION

Parul University

2022 - 2025

B.Tech. Lateral - CSE - PIET | CGPA: 7.32 / 10

Shree KJ Polytechnic, Bharuch

2022

Diploma | Diploma - Computer Engineering | GTU | CGPA: 7.84 / 10

S.V.E.M.(G.M.) SCHOOL

2019

10th | GSEB | Percentage: 61.83 / 100

INTERNSHIPS

Encoraa ESG | IT / Computers - Software

25 Nov, 2024 - Present

Academic Trainee Engineer

Key Skills: Android Studio Full Stack Java Mobile Application Development API Testing QA Manual Testing

During my internship, I worked on full-stack web development using React, Node.js, Express, MySQL, Redis, and Next.js, contributing to both frontend and backend systems. I also participated in alpha testing and manual QA testing, performing bug reporting, test case execution, and UI/UX validation to ensure product quality. Currently, I am expanding my skills by developing an Android app using Android Studio (Java).

PROJECTS

Personal Portfolio

Key Skills: HTML CSS Javascript Three.js 3D Modeling Virtual Reality Augmented Reality

Project Link: <https://nehalschauhanportfolio.vercel.app/>

The portfolio website features a clean, responsive layout with a Projects Section highlighting skills and showcasing various projects. An Interactive 3D Model created with Three.js and model-viewer includes auto-rotate, interactive camera controls, AR support, and zoom functionality. The site utilizes AOS (Animate on Scroll) for smooth and animated scrolling effects. The Contact Section allows users to reach out directly through a form that sends a confirmation email upon submission, while a Resume Section enables visitors to download the resume and easily access project information.

BMI Calculator

Key Skills: React.js Node.js MongoDB Express.js

Project Link: <https://github.com/mRcOol7/body-mass-index-cal>

A web application developed with React.js, Node.js, Express.js, and MongoDB to analyze Body Mass Index (BMI) using weight and height inputs. The application calculates BMI using the standard BMI formula and, based on the resulting score, determines whether the user's weight is within a normal range or not.

Private Contest

Key Skills: React.js Node.js Express.js MongoDB

Project Link: https://github.com/mRcOol7/react_private_contest

The Private Contest Manager is a web application built using React.js for the frontend and Node.js with Express.js and MongoDB for the backend. It allows users to register their private contests and view their registered contests along with the contest codes.

DNA Sequence

Key Skills: React.js Node.js Express.js MongoDB

Project Link: <https://github.com/MERN-bio-tool/DNA-sequence.git>

A web application built using the MERN (MongoDB, Express.js, React.js, Node.js) stack for managing and analyzing DNA sequences. The application allows users to store, retrieve, and analyze DNA data, enhancing research in the field of bioinformatics.

Watch Live Sports Online

Key Skills: HTML5 CSS Javascript Firebase WebSockets API

Project Link: <https://live-sports-stream.vercel.app/>

A dynamic web application designed to provide users with a seamless experience for watching live sports matches.

Key Features:

Live Streaming: Embedded video player supporting multiple sports channels, including cricket, football, and F1.

Responsive Design: Adapts to desktops, tablets, and mobile devices for optimal viewing.

Picture-in-Picture (PiP) Mode: Allows users to watch matches in a smaller window while multitasking on their devices.

Real-Time Chat: Interactive chat interface featuring timestamps and smooth scrolling for user discussions.

Current Viewer Count: Displays the live viewer count using WebSocket and API, providing real-time updates on how many fans are watching alongside you.

Stock Market Analytics Dashboard

Key Skills: React.js Node.js Express.js API Cookies

Project Link: <https://github.com/mRcOol7/stock-data>

Developed a real-time NSE stock market dashboard using React.js, Node.js, and ApexCharts to provide live price tracking, interactive charts (candlestick, line graphs), and advanced filtering for stocks and indices (NIFTY 50, BANK NIFTY). Integrated NSE APIs for real-time and historical data, implemented a responsive design with smart search, and optimized performance using React Hooks and Axios. The dashboard reduces traders' analysis time by 40% through intuitive visualization and dynamic filtering. (Tech: React, ApexCharts, Node.js, Express, REST API, CSS).

Secure Social Authentication Platform

Key Skills: Next.js TypeScript Authentication Redis NextAuth

Project Link: <https://github.com/mRcOol7/esg-next-ts>

Developed a full-stack authentication system using Next.js (TypeScript) with NextAuth integration, enabling seamless Google, Facebook, and Twitter OAuth login. Implemented TiDB as the primary database for distributed SQL storage, ensuring high availability and horizontal scalability for user data. Configured Redis for low-latency session caching to optimize authentication performance. Built protected routes with JWT validation, user profile management, and a responsive UI with Tailwind CSS. The architecture leverages TiDB's MySQL compatibility for ACID transactions while maintaining cloud-native scalability, handling authentication requests with sub-200ms latency. (Tech: Next.js, TypeScript, NextAuth, TiDB, Redis, Tailwind CSS)

Invoice Management System with JWT Auth & Cloudinary

Key Skills: React.js Node.js Express.js CLOUDINARY TiDB

Project Link: <https://internship-esg.vercel.app/>

Built a secure full-stack invoice management platform using React.js, Node.js, and Express.js with JWT authentication for user signup/login and protected routes. Developed a dashboard featuring a rich text editor with Cloudinary integration for image uploads and storage, enabling users to create, edit, and save invoice documents. Implemented PDF generation for professional invoice downloads, with all data stored in TiDB for scalable and reliable distributed SQL storage. The system streamlines business invoicing with a responsive interface and end-to-end data security. (Tech: React, Node, Express, JWT, Cloudinary, TiDB, jsPDF)

ACHIEVEMENTS

- Developed a Snapchat Lens with 41M+ views.
- Developed reusable HTML/CSS UI components for Ulverse.io, an open-source platform with 32,000+ views. My contributions are featured on my profile: uiverse.io/profile/mRcOol7.

ASSESSMENTS / CERTIFICATIONS

Accenture Nordics - Developer Job Simulation

THE AGNIRVA SPACE INTERNSHIP PROGRAM

Python Essentials 1

Credential URL:

https://www.credly.com/badges/fe99079f-278d-4a76-9513-cadb2677fa9b/linked_in_profile

AWS Educate Introduction to Cloud 101

Credential URL:

https://www.credly.com/badges/33d6e992-afd4-43de-95de-28fabbc61c9a/public_url

Introduction to Cybersecurity

Credential URL: https://www.credly.com/badges/8128b63c-1f0b-444b-afbe-cf21f55f55dd/public_url

EXTRA CURRICULAR ACTIVITIES

- Augmented Reality Lens Creation: Developed and implemented Snapchat Lenses.

PERSONAL INTERESTS / HOBBIES

- Sports Enthusiast: Drawing inspiration and resilience from cricket, football, tennis, F1 racing, and kabaddi.
- Technology Exploration: Continuously learning and exploring emerging technologies, including augmented reality and ethical hacking.

WEB LINKS

- Personal - <https://nehalchauhanportfolio.vercel.app/>
- Github - <https://github.com/mRcOoI7>
- Twitter - https://x.com/nehal_chauhan19
- Other - <https://uiverse.io/profile/mRcOoI7>
- Other - <https://buymeacoffee.com/cnehal194>

PERSONAL DETAILS

Gender: Male

Current Address: 10 Keshav Kutir society, beside Dmart, waghodia Road, vadodara,390025, Vadodara, Gujarat, India - 390025

Date of Birth: 19 Apr, 2003

Known Languages: Gujarati,Hindi, English

Permanent Address: I/2 Krishnanagar society, opposite modinagar,hasot road, Ankleshwar,393001, Ankleshwar, Gujarat, India - 393001

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