

Nikhilesh Sarraf

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1 PROFESSIONAL SUMMARY

Computer Science undergraduate with strong foundation in **full-stack development**, **data structures**, and **algorithms**. Proficient in **JavaScript**, **React.js**, **Node.js**, **Express.js**, and modern web technologies including **Next.js**, **MongoDB**, **REST APIs**, and **SQL**. Experienced in building **scalable web applications**, **responsive user interfaces**, and implementing **authentication systems** (JWT, Supabase). Passionate about **software development**, **problem-solving**, and writing **clean, efficient code**. Seeking **software engineering** opportunities to contribute technical expertise and drive innovation.

2 EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering

KIIT Deemed to be University

2023 – Present (Expected 2027)

CGPA: 8.82/10

Higher Secondary Education (Intermediate)

Alpine Secondary School

2021 – 2023

CGPA: 3.55/4.0

Secondary School Education (Matriculation)

Shree Maisthan Vidyapeeth Madhyamik Vidyalaya

2021

CGPA: 3.95/4.0

3 TECHNICAL SKILLS

Programming Languages: C++, JavaScript, C, SQL, Python, HTML, CSS

Frontend Development: React.js, Next.js, HTML5, CSS3, Bootstrap, Tailwind CSS, Responsive Web Design

Backend Development: Node.js, Express.js, REST API Development, API Integration, Server-Side Programming

Databases: MongoDB, MySQL, Firebase, Database Management Systems (DBMS), SQL Queries

Authentication & Security: JWT (JSON Web Tokens), API Security

Developer Tools: Git, GitHub, VS Code, Postman, MySQL Workbench, Docker (Basic)

Cloud & Deployment: Vercel, Netlify, Cloud Deployment

Automation: n8n Workflow Automation, API Integration

Core Concepts: Data Structures and Algorithms, Object-Oriented Programming (OOP), Operating Systems, Computer Networks, System Design (Basic), Software Development Life Cycle (SDLC)

Testing & Debugging: API Testing, Postman, Debugging

Soft Skills: Problem Solving, Analytical Thinking, Teamwork, Communication, Continuous Learning

4 PROJECTS

Zerodha Clone – Full-Stack Web Application

2026

Technologies: JavaScript, TypeScript, Tailwind CSS, HTML, Next.js, React.js, Frontend Development

Live Demo: zerodha-webapp.vercel.app

- Developed **responsive web design** ensuring seamless **user experience** across desktop and mobile devices
- Utilized **Tailwind CSS** for modern styling and **component-based architecture** for maintainable code

StickyNoteX – Full-Stack Note Taking Application

2025

Technologies: React, JavaScript, Node.js, Express.js, MongoDB, REST APIs, Full-Stack Development

Live Demo: stickynotex.vercel.app

- Developed **full-stack web application** with **React frontend** and **Node.js backend** for note management functionality
- Implemented **RESTful APIs** using **Express.js** for CRUD operations and seamless **frontend-backend integration**
- Designed **MongoDB database schema** for efficient **data storage** and **retrieval**
- Deployed application on **Vercel** with **MongoDB Atlas** for **cloud database** hosting

Personal Portfolio Website

2026

Technologies: Next.js, TypeScript, Tailwind CSS, React.js, Web Development

- Designed and developed **professional portfolio website** to showcase **software development projects** and technical skills

Data Structures and Algorithms Visualizer

2025

Technologies: C++, Algorithms, Data Structures, Software Development

- Built **interactive algorithm visualizer** demonstrating **sorting algorithms** and **data structures concepts**

5 ACHIEVEMENTS AND CERTIFICATIONS

Competitive Programming and Problem Solving:

- Solved **350+** **Data Structures and Algorithms** problems across **LeetCode**, **GeeksforGeeks**, and **CodeChef**
- Strong command of **Arrays**, **Strings**, **Recursion**, **Linked Lists**, **Stacks**, **Queues**, **Trees**, **Graphs**, **Dynamic Programming**, **Greedy Algorithms**, **Backtracking**, and **Hashing**
- Solved **400+** **SQL** problems covering **Joins**, **Subqueries**, **Aggregations** and **Database Normalization**

Hackathons and Competitions:

- Participated in **3+** **hackathons**, collaborating in **team-based environments** to build **real-world projects** under time constraints

Research and Publications:

- Currently working on research paper: **“DDoS Attack Detection using Machine Learning Techniques”**

6 LANGUAGES

English: Excellent Command | **Hindi:** Fluent