

Sahil Ajani

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ABOUT

Motivated Computer Science student with strong expertise in full-stack development, machine learning, and building responsive web applications. Proficient in modern web frameworks like React.js, Express.js, and backend technologies including Node.js and MongoDB. Adept at leveraging data structures, algorithms, and cloud computing concepts to deliver secure and efficient solutions. Collaborative and proactive, with a focus on problem-solving and communication.

EDUCATION

VIT Bhopal University – Bhopal, MP

B. Tech in Computer Science & Engineering ('Sep 2022 – Sep 2026') | CGPA – 8.39

The School of Science – Rajkot, Gujarat

Higher Secondary (XII) – PCM, GSHEB Board ('June 2019 – May 2021') | Percentage: 96.76%

Shree K.G. Dholakiya School – Rajkot, Gujarat

Secondary (X) – GSHEB Board ('June 2018 – May 2019') | Percentage: 93.17%

TECHNICAL SKILLS

Languages: JavaScript, C++, HTML, CSS

Frameworks/Libraries: React.js, Express.js, Redux, Bootstrap

Databases: MongoDB, SQL

Tools & Technologies: Node.js, Git, Postman, REST APIs, JWT Authentication, GraphQL (basic), Docker (basic), Firebase (basic)

Concepts: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Cloud Computing, Responsive Web Design

PROFESSIONAL EXPERIENCE

Ozyus Technologies – Rajkot, Gujarat, India

Full Stack Developer Intern

January 1, 2025 – February 28, 2025

- Completed a 2-month internship focused on full-stack web application development.
- Enhanced JavaScript, React.js, and Node.js proficiency, contributing to cross-functional team projects
- Improved performance of web applications by optimizing React.js components and Node.js backend queries.
- Recognized for a proactive attitude and team collaboration

PROJECTS

Interactive Autism Trait Assessment Platform

- Designed and implemented a gamified early autism screening tool using computer vision and machine learning
- Utilized OpenCV, Media Pipe, and TensorFlow to achieve 95%+ accuracy in real-time gesture and emotion analysis
- Built adaptive difficulty logic and ensured cross-platform compatibility for low-resource environments
- Validated results against ADOS-2 benchmarks in collaboration with researchers

Study Notion – Learning Management System

- Developed a secure MERN-based platform with dynamic dashboards, admin controls, and RESTful APIs
- Implemented user authentication, progress tracking, and course management functionality
- Integrated Redux for state management and JWT for secure access control.

Travel World – Travel Booking Platform

- Built a fully responsive travel booking website featuring tour listings, user reviews, and booking forms
- Leveraged React.js, Node.js, Express.js, MongoDB, and Bootstrap to deliver seamless performance across devices
- Emphasized user experience and scalability

CERTIFICATION AND ACHIEVEMENT

Research paper currently in publication on Interactive Autism Trait Assessment Platform

[AWS Solution Architect - Associate Certification Program](#)

[MongoDB Associate Database Administrator](#)

[TCS CODEVITA Season 12 – Qualified Round 1, Rank: 4879](#)

[Google \(Coursera\): The Bits and Bytes of Computer Networking](#)

[Swayam NPTEL: Cloud Computing](#)