

Dhiraj Sahu

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in Dhiraj Sahu 🌐 DhirajSahu18

About Me!

I am a Full Stack Developer with 1.5 years of experience in building scalable and efficient web applications. I have a solid understanding of both front-end and back-end technologies, and I focus on writing clean, maintainable code. Additionally, I have a basic understanding of DevOps practices and machine learning concepts. I am committed to solving problems and continuously improving my technical skills in real-world projects.

Technologies

Languages: C , Cpp , Java , Python , Javascript , Typescript, Go

Front-End: HTML5, CSS3, JavaScript, React.js, Next.js, Tailwind CSS, Bootstrap

Back-End: Node.js, Express.js, PHP , Django , Flask, RESTful APIs, WebSockets

Databases: MongoDB, MySQL, PostgreSQL, Firebase

DevOps / Deployment: Git, GitHub Actions, Docker, CI/CD Concepts, Nginx, AWS EC2, Vercel, Netlify

Machine Learning: Python, scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Data Preprocessing, Model Evaluation, Supervised Learning

Tools & Platforms: Postman, Visual Studio Code, Figma, Linux/Ubuntu CLI

Other Skills: Agile Methodologies, Debugging & Testing, API Integration, Responsive Web Design, Web Security Practices

Experience

ADMM Intern

Deloitte

Thane, Maharashtra

January 2025–April 2025

- Analyzed complex datasets to uncover actionable insights, supporting data-driven decision-making for client and internal projects
- Designed and automated data processing workflows, reducing manual reporting time by 30% and improving data accuracy
- Developed scalable internal tools and features to enhance data accessibility, streamline operations, and support business growth
- Collaborated with cross-functional teams to optimize reporting and analytics processes, improving project delivery efficiency

Software Engineer Intern

CCBUL LLP

Bangalore , India

August 2023 – Oct 2023

- Designed and developed responsive front-end interfaces to improve user experience and accessibility across web platforms
- Built and integrated scalable back-end services to support real-time data processing and complex business logic
- Optimized performance for key application workflows, reducing page load times and API response times by up to 40%
- Collaborated with product managers and senior engineers to deliver new features, resulting in successful deployment of a large-scale client project

Education

Terna College of Engineering

2021 – 2025

BE in Computer Science

- CGPA: 7.9/10

- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

RKT College of Science Commerce and Arts

2019 – 2021

HSC in Science

- Percentage : 90/100

Model English High School

2021

SSC

- Percentage: 86/100

Projects

Bypass-Prevention System for Secure Event Management

[Deployment](#) [GitHub](#)

- Engineered a scalable event registration system that securely handled over 14,000 users daily for 15 consecutive days, with encrypted QR code generation and rule distribution
- Built real-time QR scanning and user verification workflows to prevent bypassing, ensuring 100% authenticity at event check-ins
- Automated participant data export and timestamp tracking into Excel reports, enabling efficient auditing and operational transparency
- **Tools and Technologies:** MERN Stack, Tailwind CSS, AWS (EC2, SES), Vercel, Nginx, Firebase Authentication

AI-Powered Task Management Chatbot

[GitHub](#)

- Architected an AI-driven chatbot that allows users to seamlessly create reminders and notes using natural language; increased user retention by 25% within the first three months of deployment, contributing to overall platform growth.
- Automated scheduled task execution and timely reminders using server-side cronjobs, ensuring reliability without manual intervention
- Orchestrated a serverless backend architecture leveraging Node.js and MongoDB for a chatbot, enabling 200 concurrent user sessions with sub-300ms response times, thereby enhancing user engagement and satisfaction.
- **Tools and Technologies:** Node.js, Express, MongoDB, Gemini API, Cron, Tailwind CSS, Firebase Authentication

Additional Projects

- [Facial Attendance System](#), [Qr Based Food Ordering and Management](#), [Online Auction System](#), [Credit fraud Detection](#)

Publications

Machine Learning Techniques for Breast Cancer Detection

Jan 2025

Dhiraj Sahu, Prajwal Naik

[Link to Paper](#)