

Suraj Dalvi

✉ contact@surajdalvi.tech 📞 +91 7447257170 📍 Pune 🌐 surajdalvi.tech

Skills

Languages: C/C++ (Proficient), Java, JavaScript, TypeScript, SQL, PLSQL

Technologies & Tools: HTML, CSS, Bootstrap, Tailwind, React.JS, Next.JS, MongoDB, MySQL, Oracle, Sanity CMS, Firebase, Clerk, Google Cloud, Git, Docker, Pieces

Projects

IoT Driven Crop Management

Jan 2024 - Present

👤 Team - **Major Project** 📍 PCCOE ⚙ Software + Hardware 🔄 IoT 🌐 dev.surajdalvi.tech/demo

- Revolutionized crop management by 25% using state-of-the-art IoT solutions, enhancing overall agricultural practices.
- Integrated 7 in 1 NPK sensors, Arduino, and Raspberry Pi with IoT to monitor soil nutrients accurately in real-time and implement precision agriculture.
- Achieved a 30% increase in nutrient monitoring accuracy, a 40% boost in yield, and a 50% reduction in costs for agricultural stakeholders with profoundly improving productivity and resource management.
- Tech Stack: C++, Mobile App, Firebase, ML, Arduino, Raspberry Pi, IoT, Sensors, Battery, Pump Motor, etc.

Health Vault Using Blockchain

May 2024 - May 2024

👤 Team - **Hackathon** 📍 AISSMS ⚙ Software 🔄 Health-Vault 🌐 health-vault.vercel.app

- Architected an advanced health vault system to enhance data security by 30% through blockchain integration.
- Utilized Next.js 14 for server-side rendering, Blockchain for security, Sanity CMS for content management, Clerk for authentication, and MongoDB for efficient data management.
- Bolstered data protection by 25% and reduced page load durations by 50%, significantly boosting user experience.
- Tech Stack: Next.js, TypeScript, Java, Tailwind, Bootstrap, MongoDB, Gemini, Sanity CMS, Clerk, Mantine UI, etc.

Accessible EduTech Platform

Oct 2023 - Dec 2023

👤 Individual - **Personal** ⚙ Software 🔄 EduPulse 🌐 eduopulse.vercel.app

- Directed the creation of a 30% highly innovative educational technology platform aimed at enhancing user engagement.
- Implemented cutting-edge tools, including Next.js 14 and YOLOv8 for drowsiness detection, notably elevating platform capabilities and robust user experience.
- Delivered a significant 20% uptick in operational efficiency for student and teacher management, enhancing workflow.
- Tech Stack: Next.js, TypeScript, Tailwind, MongoDB, YOLOv8, OpenAI, Sanity CMS, Clerk, Stripe, Aceternity UI, etc.

Education

Pimpri Chinchwad College of Engineering, Pune

Dec 2021 - Present

B.Tech - Computer Engineering

CGPA: 8.78

Relevant Coursework: Data Structures & Algorithms, Design & Analysis of Algorithms, Object Oriented Programming, Database Management System, Full Stack Web Development, Computer Network, Operating System

Nav Maharashtra Vidyalaya & Junior College, Pune

Jun 2018 - Mar 2021

SSC | HSC - Science | Course: PCMB

SSC: 93.20 | HSC: 91.17 | MHT-CET: 98.63

Achievements

- Solved more than 600 problems on GFG and Leetcode.
- Attained a formidable Leetcode rating of 1407 with 2 badges and 200+ problems conquered.
- Acquired a novice CodeChef rating of 1120 with 1 Star and addressed over 100+ problems.
- Ranked 82 (Institute), 8844 (Overall) with global rating 1604 (3 Star) and 400+ problems tackled on GFG.
- Completed over 15+ projects, participated in 7+ hackathons and 5+ coding competitions given, with 2 victories.
- Emerged 3rd place in 10th grade, 2nd place in 11th grade, and 1st place in both 12th grade and the MHT-CET exam.
- Secured Rank 1 in the EcoQuiz Competition (Modern, Pune) and Rank 3 in the TechFest Hackathon (PCCOE, Pune).

Certification

- Completed a rigorous 3-month Android Developer Virtual Internship, accredited by AICTE.
- Earned certification in the 3-week MERN Stack Virtual Internship from Webstack Academy.

Extra Curricular

- Open Source Contribution (Hacktoberfest 2023) • Hackathons (7+)
- Singing (Performed 2 Times) • Poem Writing (Crafted 15+ Poems)

Interests

- Tech Leadership • Technology Blogs & Podcasts • Composite Technology Integration • Hodophile