

# Suraj Dalvi

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## Education

PIMPRI CHINCHWAD

COLLEGE OF ENGINEERING

**B.Tech** - Computer Engineering

📅 12/2021 - Present 📍 Akurdi, Pune

• CGPA: **8.78**

NAV-MAHARASHTRA

VIDYALAYA & JUNIOR COLLEGE

**SSC | HSC** - Science

📅 06/2018 - 03/2021 📍 Pimpri, Pune

• Course: **PCMB**

• SSC: **93.20** | HSC: **91.17**

• MHT-CET: **98.63**

## Skills

### PROGRAMMING

• C/C++ (Proficient) • Java • SQL

### DEVELOPMENT

• HTML • CSS • JavaScript  
• React.JS • Next.JS  
• Bootstrap • Bulma • Tailwind  
• Sanity • Firebase • Clerk

### DATABASES

• MongoDB • MySQL • Oracle

### TOOLS

• VSCode • Git • Docker • Pieces

## Links

GitHub **Suraj-Encoding**

Linkedin **Encoding**

Page **Suraj-Dalvi**

Leetcode **Metamask**

GFG **Encoding**

## Coursework

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

## Interests

• Tech **Leadership**  
• Technology Blogs & Podcasts  
• Composite Technology Integration  
• Hodophile (Trekking and Travelling)

## Projects

### IOT-DRIVEN CROP MANAGEMENT

👤 Team - **Major Project** ⚙️ Software + Hardware 🌐 IoT 📄 dev.surajdalvi.me/demo

📅 01/2023 - Present

📍 PCCOE, Pune

[**Tech Stack** : C++, Arduino, Raspberry Pi, IoT, Sensors, Hardware, etc.]

- Revolutionized crop management 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 and implement precision agriculture.
- Achieved a substantial increase in nutrient monitoring accuracy and yield with a dramatic reduction in costs for agricultural stakeholders.

### HEALTH VAULT USING BLOCKCHAIN

👤 Team - **Hackathon** ⚙️ Software 🌐 Health-Vault 📄 health-vault.vercel.app

📅 04/2024 - 04/2024

📍 AISSMS, Pune

[**Tech Stack** : Next.js, TypeScript, Java, MongoDB, Gemini, Sanity, Clerk, etc.]

- Architected an advanced health vault system to enhance data security and accessibility through blockchain integration.
- Utilized **Next.js 14** Framework, **Blockchain** for security, **Sanity CMS** for content management, **Clerk** for authentication, and **MongoDB**.
- Enhanced data protection and reduced page load durations by **50%**, boosting user experience and overall system performance.

### ACCESSIBLE EDUTECH PLATFORM

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

📅 10/2023 - 12/2023

[**Tech Stack** : Next.js, TypeScript, MongoDB, YOLOv8, Sanity, Clerk, Stripe, etc.]

- Directed the creation of a highly innovative educational technology platform aimed at enhancing accessibility and engagement.
- Implemented cutting-edge tools, including **Next.js 14** and **YOLOv8** for drowsiness detection, improving overall platform functionality.
- Delivered a significant uptick in operational efficiency for student and teacher management, enhancing overall performance.

## Certification

- Android Developer Virtual Internship accredited by **AICTE**.
- MERN Stack Virtual Internship offered by **Webstack** Academy.

## Achievements

- Solved more than **600** problems on **GFG** and **Leetcode**.
- Attained a formidable **Leetcode** rating of **1328** with **2 badges** and **100+ problems** conquered.
- Ranked **98** (Institute), **786** (Overall) with Global Rating **1460** (2 Star), Overall Score **1022**, **30+** contests and **300+** 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, seized **2nd** place in **11th** grade, and triumphed as **1st** 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).

## Extra Curricular

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