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.tech/demo
📅 01/2023 – Present   📍 PCCOE, Pune
[*Tech Stack :*   C++, Arduino, Raspberry Pi, IoT, Sensors, Hardware, etc.]
- 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 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.

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 by **30**% through blockchain integration.
- Utilized **Next.js 14** Framework, **Blockchain** for security, **Sanity CMS** for content management, **Clerk** for authentication, and **MongoDB**.
- Bolstered data protection by **25**% and reduced page load durations by **50**%, boosting user experience and 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 an **30**% 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 **20**% uptick in operational efficiency for student and teacher management, enhancing overall performance.

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.

Achievements

- Solved more than **600** problems on **GFG** and **Leetcode**.
- Attained a formidable **Leetcode** rating of **1407** with **2 badges** and **200+ problems** conquered.
- Ranked **82** (Institute), **8844** (Overall) with Global Rating **1604** (**3** Star), Overall Score **1213**, **30+** contests 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, 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)