

# Sujal Choudhari

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## Education

<b>Bachelor of Technology in Information Technology and Honors in DevOps (9.07/10 CGPA)</b> <i>Dwarkadas J. Sanghvi College of Engineering</i>	2022 - 2026 <i>Mumbai, India</i>
<b>Higher Secondary Certificate (85%)</b> <i>R. P. Jr College of Arts, Commerce and Science</i>	2020 - 2022 <i>Vasai, India</i>
<b>Secondary School Certificate (89%)</b> <i>Dr. M. G. Parulekar Mirtamandals School</i>	2011 - 2020 <i>Vasai, India</i>

## Achievements

- Led teams to **victory in 6 hackathons**, including National Level Events like **100x Engineers Buildathon, Smart India Hackathon 2024** and **Smart India Hackathon 2023**, competed against 4 lakh participants from all over India, focusing on real problem solving.
- Managed development of **2 game development frameworks** with 500 users, coordinating feature implementation and community feedback across distributed teams, leaving an impact on the real world.
- Developed and maintained a **localization tool** adopted by **300 developers**, improving accessibility in global projects.
- Created comprehensive **technical guides** and **practices for custom system architecture**, made freely available on Gumroad to support developers and open-source community.

## Internship Experience

<b>Software Developer Intern</b> <i>Meresu Ventures India Pvt. Ltd.</i>	July 2024 - Present <i>Remote</i>
<ul style="list-style-type: none"><li>– Engineered extremely secure HTTPS APIs and backend systems using Supabase for an enterprise HR analytics for managing the productivity of 200+ employees.</li><li>– Optimized backend infrastructure supporting real-time analytics and high-volume data processing for multiple enterprise clients, with 99% uptime of the AI call bot.</li><li>– Strengthened authentication protocols, with 2 layers of authentication and data protection mechanisms to ensure secure handling of corporate communication data.</li></ul>	

## Technical Skills

C/C++, C#, Python, JavaScript, TypeScript, HTML, CSS, Java, Rust, FastAPI, Flask, Django, MongoDB, MySQL, Firebase, Git

## Projects

<b>Coda</b>   <i>C++, Formal Language and Grammar</i>	Custom Programming Language
<ul style="list-style-type: none"><li>– Developed a scalable interpreted programming language in C++, improving modularity and efficiency for software developers.</li><li>– Used tutorials in languages like JavaScript (loosely typed) and wrote a fully functional interpreted programming language in C++.</li><li>– Maintained clean and scale-able code base for contributors to work on this enterprise level project.</li></ul>	
<b>Triayami Darshan</b>   <i>C#, Unity, NuGet</i>	1:1 Replica of the Lunar surface
<ul style="list-style-type: none"><li>– Engineered a physics-accurate simulation of the lunar surface at real scale, showcasing advanced 3D modeling techniques applicable in industrial automation.</li><li>– Made compatible with various input file formats including TIFF for realtime image processing.</li></ul>	
<b>Cleo</b>   <i>Python, JavaScript, React, AI/ML</i>	AI Sales Assistant
<ul style="list-style-type: none"><li>– Designed and implemented AI-driven solutions to streamline sales workflows, collaborating with team to optimize feature delivery.</li><li>– <b>Won 1st place</b> in the Diffusion and LLM category in Yourstory's and OLA's 100x Engineers Buildathon.</li></ul>	
<b>Neptune.js</b>   <i>JavaScript ES6, Web Technologies</i>	Custom Game Engine
<ul style="list-style-type: none"><li>– Developed a high-performance game engine in JavaScript, demonstrating efficient memory management techniques applicable to scalable software systems.</li><li>– Implemented advanced systems like Entity-Component, earning 4th place in a game jam for a project built with Neptune.js.</li></ul>	