

Chaitrali Pramod Shinde

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PROFILE

Competitive programmer with over **50 contests** with approx.900 problems solved, ranking in the **top 5%** in medium division contests. From a tier 2 college, have made projects **achieving top 2%** score among college peers. Have skills in software engineering, **communication, and quick learning** and a hackathon enthusiast.

EDUCATION

(**IIIT**) Indian Institute of Information Technology, Pune (2021-25)
B.Tech CSE cgpa:**8.02**

HSC (12th): 95% SSC (10th): 92%

SKILLS

- **Languages:** C++, C, Python, JavaScript, MYSQL, HTML/CSS, LaTeX
- **Frameworks:** React.js (frontend), Next.js (fullstack), Node.js (backend), Express.js, MongoDB (NoSQL), MySQL, Tailwind CSS, NextAuth
- **Tools:** Git-version control, GitHub, Vercel deployment, Docker, Kafka

ACHIEVEMENTS

- **Semi Finalist** at **Google Girls Hackathon 2024 top 1%** among 20k participants.
- Ranked **210 globally** in Codechef Starters 145 Div 2
- Secured **621 among 45k candidates** on Codeforces Round 918 Div 4
- Team ranked **6th among 900 groups** for ZS tech challenge based on score.
- [Codeforces](#) (ratings 1381), [Codechef](#) (ratings 1802) global rank: 5907, [Leetcode](#) (approx. 250 problems)

PROJECTS

Drive-Protector Nov 2023 | *Next.js, React.js, npm, MongoDB, Next-Auth, AES, RSA, Digital sign*

- A fullstack project with aim to achieve **encrypted and privacy protected** text-files on google-DRIVE.
- My work includes integration of SSO, google-API and **Storage of "keys only policy"** on MongoDB which guarantees **99% privacy** and unique key exchange dynamics.
- Gives **90% robust against virtual brute force** and **80% data breaches** (analysis are done using past years data)

HueP Feb 2023 | *React.js, npm, Node.js, Express.js, Javascript, MongoDB, HTML/CSS, Material-UI*

- Built **Image & Gradient Color Extractor, Custom Palette, Schemes Generator & visualisation of colors** along with downloading using node packages.
- Used Express for REST-API for **import, export, search** on MongoDB, **saving 60% user's time and satisfaction**

UWSNs May 2024 | *machine learning, K-Means Clustering, Q-learning, Python*

- UWSN (Underwater wireless sensor network) node deployment algorithm for **less cost and sustainable network** with contribution in **dynamic node selection** and **secure data transfer**.
- Machine learning principles like **hierarchical clustering** for cluster head selection resulting in **60% alive nodes** and **Q-learning** with trust value against **DOS and Data manipulation attack** making it **90% more secure** (all the comparisons are according to published algorithms).

COURSE WORK

OOPS, Computer Network, computer organisation, AI-ML, Compiler design, Software Engineering, Operating system, Cloud computing