



EDUCATION

Computer Engineering
Pune Institute of Computer Technology
2023 9.51/10

Higher Secondary Certificate
M.I.T Junior College
2019 85.85%

Secondary School Certificate
Aksharnandan School
2017 91.00%

WORK EXPERIENCE

FinTech Intern
Centre for Finance, Technology and
Entrepreneurship
08/2021 - 08/2021 London (remote)
Tasks

- Collaborated with a Global Team and researched on *The impact of crypto currency on cross border payments* case study
- Proposed a solution to a Real Business Problem for *PayPal*

Python Developer Intern
Hypersegment Automation
01/2021 - 03/2021 Pune
Tasks

- Worked on a robust Trading System
- Developed a python module for placing orders at NSE using Zerodha API
- Handled **Stop Loss, Trailing Stop Loss** and implemented Candles generation

ORGANIZATIONS

ACM Student Chapter

Codechef Student Chapter

SKILLS

Data Structures and Algorithms

MySQL

Object Oriented Programming

Blockchain

Python

C++

PERSONAL PROJECTS

Trust-less Crowd Funding using Ethereum

- Wrote and deployed a smart contract in **Solidity** implementing **trust-less crowd funding** campaigns.
- Build a user interface to interact with the smart contract using **React, NodeJS**.

Bitcoin Block Generator

- Designed an **algorithm** and **optimized** the total transaction fee in a valid bitcoin block using probabilistic approach considering dependencies of the transactions.
- Maintained **$O(n \log n)$** time complexity, 'n' being the number of transactions in mempool.

Dynamic Traffic Signal Optimization

- Working on **optimization** of existing **cyclic traffic signal control** systems in India by using real time data from CCTV.
- Performed simulation of designed algorithm using **Python, Sumo, Net-edit and Traci**.

CERTIFICATES

ACM Winter School - Chennai Mathematical Institute

Using Python to Access Web Data - Coursera

ACHIEVEMENTS

Codechef | Highest Rating 2044 (5-Star) [🔗](#)
Global rank 63 in Codechef Starters 13 (Div. 2)

Codeforces | Highest Rating 1608 (Expert) [🔗](#)
Global rank 402 in Codeforces Round 728 (Div. 2)

ICPC Gwalior-Pune 2020 Regional Round | 1st in PICT [🔗](#)
National Rank 179

International Chess Rating | Highest Rating (1447) [🔗](#)
Represented Pune District at State Level Chess Competition in Open Category

INTERESTS

Chess

Economics

Finance