

# PRATHAMESH PAWAR

Mumbai, Maharashtra

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## EDUCATION

- Sardar Patel Institute of Technology** Mumbai, India  
*Bachelor of Technology - Information Technology; GPA: 8.9* January 2021 - Present  
*Courses: Operating Systems, Analysis Of Data Structures and Algorithms, Networking, DBMS, AI ML, Distributed Computing*

## EXPERIENCE

- Sarvm.AI** Bengaluru, India  
*Backend Developer (Internship)* May 2022 - September 2022
  - Microservice Architecture:** Developed User Authentication-Authorisation, Logs and error management systems
  - REST API for services:** Refactored interacting services for performance to handle large databases
  - Logs Processing:** Worked with Elastic search, kibana, Logstash for data storage, visualisation, logs processing
  - Designed Systems:** Integrated patterns such as SAGA, Event sourcing, Adaptor for data consistency
  - Tech Stack:** ExpressJS, NodeJS, ECS, CloudWatch, Elastic Search, Docker, Nginx
- Vidyandaan Sahayyak Mandal** Thane, India  
*Full Stack Developer (Internship)* Dec 2021 - June 2022
  - Project development:** Improve the management of Donors and Donations records for the organization
  - Deployment and Monitoring:** Deployed servers and monitored the performance of system with AWS tools

## HACKATHONS

- Code For Good 2022 (MERN Stack, RazorPay):** Developed a interactive and usable solution for NGO: Bangalore Food Bank, Integrated product catalogue system and payment gateway, ensured the end-to-end monetary transactions, Track and report metrics on system performance (June '22)

## PROJECTS

- The Enron Case Investigation ((Machine Learning — Data Analytics ):** Derived Patterns of Fraud from the Enron Dataset , built a person of interest identifier based on financial and email data made public as a result of the Enron scandal. (July '22 - Present)
- Zeno: Blockchain-enabled Asset Tracker for Supply chain ((Smart Contracts — Ether):** Remodelled and Engineered DAPP for solving trust issues and to improve traceability and transparency of supply chain , Integrated with existing manufacturing process and financial transactions, developed a prototype with ethereum Blockchain (April '22)
- John Conway's Game of Life Simulation (p5.js — DSA):** Simulated 1D and 2D cellular automaton, generated and classified patterns according to behaviour, Implemented canonicalized quad trees and hash life algorithm to improve simulation lifecycle (April '22)

## SKILLS SUMMARY

- Languages:** C++, Java, Python, JavaScript, SQL, Solidity
- Frameworks:** NodeJS, ExpressJS, React, Flask
- Databases:** PostgreSQL, MySQL, DynamoDB, MongoDB, Elastic Search
- Tools:** Docker, GIT, Github, WSL, Kibana, Logstash, Kubernetes, NumPy, Scikit-Learn, TensorFlow
- Platforms:** Linux, Ubuntu, Amazon Web Services, AWS ec2

## ACHIEVEMENTS

- Winner JP Morgan Chase Co. Code for Good - 2022 hackathon among 50000+ participants
- ICPC Asia Regionalist'22: AIR 154 and College Rank 1
- Runner up at Inter branch hackathon SPIT'22 as IT President
- Secured AIR 394 (Global rank. 1522) in Google Hash code 2022 among 10000+ teams worldwide
- Secured Global Rank 147 at Code-Senso 2021 challenge organized by IIIT Allahabad
- Reached Codeforces Specialist Rank (Peak Rating 1455) and Codechef 4 Star status (Peak Rating 1890)

## VOLUNTEER EXPERIENCE

- Student Team Lead for Vidyandaan Sahayyak Mandal** Thane, India  
*Responsible for conducting monthly meetings to increase interaction between students* May 2020 - Present
- Problem Setter for Oculus Coding League Team** Mumbai, India  
*Organized the Technical event - Oculus 22' comprising coding contests, Bootcamp* Nov 2021 - March 2022