


Suyash Sanjay Chavan

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Education

Walchand College of Engineering, Sangli

B.Tech in Computer Science & Engineering, CGPA – 8.27/10.00

2019 – 2023

Work Experience

Druva Inc.

Jan 2023 – Present

Software Engineer

- Worked on client builds to optimise build process and implement new strategies.
- Addressed client side prod issues on most of the workloads by closely working with Escalation and Support team.
- Reduced OVA build time by 40% by identifying bottlenecks.
- Developed microservice development ecosystems and frameworks to optimise CICD and streamline it.

Gyde.AI

Jan 2022 – Apr 2022

Product Development Intern

- Worked on large codebase, understanding and fixing backend and frontend components.
- Fixed critical security vulnerabilities.

Astromer Technologies

Jul 2020 – Oct 2020, Jul 2021 – Sep 2021

Linux System Software Intern

- Implemented Ethernet OAM by referring IEEE 802.3 Ethernet Standards.
- Worked extensively on L2 protocols to build L2 switch.
- Worked in a team of 3 to develop a remote layer 2 switch testing framework.

Projects

IoT Secure Tunneling & Management - Sponsored Project | *Linux, Flask, MongoDB, Streamlit, Docker, Kubernetes*

- Persistent Reverse SSH Tunnels for remotely controlling and opening other tunnels on edge devices.
- Alternative for AWS Secure Tunnel.
- Is part of Face Mask Detection System whose Patent is under process.

Private Cloud for Universities - Sponsored Project | *Openstack, NodeJS, Go Lang, Streamlit, Docker, Kubernetes*

- The project aims to provide open-source cloud services to students and faculty for means of in-house development and deployment.
- The system solved the problem of deployment and maintenance of different projects in student's academic tenure as well as utilizes underutilized computing and storage resources in university's data center.

Ethernet OAM Implementation (IEEE 802.3) | *Unix Sockets, Pipes, IPC Message Queue*

- Implemented OAM Sublayer in Datalink Layer for link maintenance and management.
- Worked on L2 components and state machines to derive strategies for identifying link problems.

Achievements

Codechef

5 star Competitive Programmer, Rating – 2028

Codeforces

Rank – Specialist, Rating - 1491

HackTheBox

Rank – Hacker

ACM ICPC Amritapuri

Preliminary Round - 1378

Patents

An autonomous monitoring and smart rapid alert system to detect people not wearing masks in public areas (Backend and Deployment) – 202221016800

Technical Skills

System Design/Architecture

Programming Languages: C/C++, Bash, Go, Python, JavaScript

Frameworks: NodeJS, Flask, Django

Databases: MongoDB, MySQL, Cassandra, Neo4j, Firebase, HarperDB

Other Tools/Platforms: Linux, Gitlab CI, AWS, Git, Docker, Kubernetes, OpenStack

Course Work

Data structures and Algorithms

Parallel Computing

Cloud Computing

Advanced Database Systems

Computer Networks and Communication

Operating System

Deep Learning

Positions of Responsibility

Walchand Linux Users' Group | *Member, Club Service Director, Program Director, Mentor* **Nov 2019 – Jul 2023**

- Helped conduct events regarding Opensource, Linux and Cyber Security to promote Open Source in Walchand College of Engineering, Sangli
- Organised docker deployed wargames on Amazon EC2 with 160+ participants

Google Developer Student Club - WCE | *Cyber Security Executive, Mentor* **Jul 2021 – Jul 2023**

- Advised club executives on decisions, modifications, impact and strategy.
- Trained students in understanding softwares from security perspective.

Team Optimus – ABU Robocon 2020 | *Developer* **Dec 2019 – Mar 2020**

- AIR 7 in DD Robocon qualification for Suva-Fiji ABU Robocon 2020.
- Created Glowscript simulations as part of proof work of all the physics calculations and dynamics.

Interests/Hobbies

Video Games(Minecraft), Listening Podcasts & Pop Music, Playing Chess & Handball

Strengths

Good Listener, Friendly, Adaptive