

# ADVAIT PANDHARPURKAR

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## Skills

- Rust | Python (Conda Ecosystem) | C/C++ | GNU/Linux | Java | Embedded C | Bash | Posix Shell Scripting | JavaScript | Zig (basic)
- Cloud Computing | CI/CD | XUnit | Jest | Cucumber | JFrog | Unit Testing | OOP | Vulkan | OpenGL | Nix | Docker | Kubernetes
- Microservices | Distributed Systems | Backend( Actix, Rocket, Django) | English, Hindi, Marathi – All professional proficiency or above

## Experience

### Software Engineer - Internship

[Vanderlande](#)

Hybrid Pune, Maharashtra 08/2024 - 04/2025

- Created and wrote multiple ITMs and worked on BOM Updates while coordinating with **Global Teams from Germany and the Netherlands**.
- Implemented Black Box tests and wrote Unit Tests and JFrog and Cucumber Environments for Testing.
- Worked on the Performance Suite of Warehouse Platform for ClearingFlow and other ITMs, improving execution speed by **8 times**.
- Joined the **Research and Development Team in Feb 2025** and worked on writing a custom UDP-based Profinet Network Translator.
- Built multiple cli tools for Debian-based FSC Stack for easy configuration and deployment of applications.

### Software Engineer - Internship

[RigBetel Labs LLP](#)

Onsite Pune, Maharashtra 12/2023 - 07/2024

- Developed a suite of networking tools from scratch in **Rust** to resolve critical robot networking issues, branded as **"Robonet"**.
- Built a backend using **FastAPI and Actix-web** for seamless RoboNet configuration.
- Created an Embedded C++ Library to optimize motor tick processing, achieving a **900%** performance boost.
- Converted ROS2 Robots to **Zenoh** for a global operability for **European Clients**, and stream of the live feed through RoboNet.
- Built a **custom Desktop OS** for the Robots (TortoiseBot, Diadem, Acrux ) as well. (Plasma + Ubuntu Base + ROS Stack). RPi and Intel Nuc.
- Designed and deployed multiple web apps for streaming multi-camera feeds from a single robot using **WebRTC** Tunnels.

### DevOps Engineering - Internship

[vDHiTech Solutions](#)

Remote Nashik, Maharashtra 08/2023 - 10/2023

- Helped in deploying and generating configurations for multiple Web Applications.
- Kubernetes Clusters and Docker Deployment for simple web applications for small businesses.

## Education

Bachelor of Engineering  
Computer Engineering  
(7.5 CGPA)

[Pune University \(A. DY Patil SoE\)](#)

Pune, Maharashtra 12/2021 - 05/2025

## Projects

- [MCServer](#): **100+ Github Stars**: MCServer is a suite of Minecraft Server Deployment toolchain written in Rust.
- [PastryCrust](#): PasteBin clone written entirely in Rust and TailWindCSS with SQLite Database for learning.
- [RamSnapper](#): Runner-up at **Kavach CyberSec Hackathon, GOV India** built a USB Deployable Ram Dump Acquisition Tool.
- [ByteSave](#): **Finalist in Smart India Hackathon 2024**; built an **XFS and BTRFS** Recovery tool.

## Extra Carricular

- Led a position of **Programming Lead** in **Google's** Developer Students Club..
- **Vice President** of the Association of Computer Engineering (ACE, a Club of the Department of Computer Engineering).
- **Student Coordinator** for Research Innovation and Extension Cell (RIEC) at ADYPSOE.
- **Library Representative** for my College's Library for 3 years.
- Led **Team ByteWatch**, a Multiple National Level hackathon winning team.

## Awards

- **1st RunnerUp** in Kavach CyberSecurity National Hackathon Organized by Government of India, MHA, MoE. @ AMC Bangalore
- **Finalist** in **Smart India Hackathon** Organized by Government of India, MHA, MoE. @ IIT Jammu, Jammu and Kashmir
- **2nd Prize** Project Based Learning Competition for SpyderNet (Asynchronous WiFi Router for bandwidth sharing). @ Pune
- **2nd Prize** for MKCCC's Competitive Coding Competition at Pune Cummins College of Engineering. @ Pune
- **2 times** Government of India Scholarship Holder in 4th and 8th Standard with (AMR 4 and AMR 264 Rank), respectively.

## Interests

- Making Projects & Management, Organizing Events, Chess, [WM Ricing](#), Public Speaking.
- Producing Software and streaming the entire process on my [YouTube channel](#).