

# ADVAIT THAKUR

Software Analyst at PTC | Interested in Algorithms and Data Structures | Enthusiast for Data Science  
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Portfolio: <https://thedevmaverick.wixsite.com/thedevmaverick>

## EDUCATION

PES MODERN COLLEGE OF  
ENGINEERING  
BE in Computer Engineering  
2018-2022 | Pune, India  
Cum. GPA: 9.66/10

LAXMANRAO APTE JUNIOR  
COLLEGE  
2016-2018 | Pune, India  
Class XII Percentage: 93.08%

SANE GURUJI HIGH SCHOOL  
2012-2016 | Pune, India  
Class X Percentage: 94.20%

## ACTIVITIES

- **President of Student Council Committee (2021-22)** of the Department of Computer Engineering.
- **Head and Founding member** of Brainstorming's Club of Dept. of Computer Engineering

## SKILLS

### PROGRAMMING LANGUAGES:

• Java • C++ • Typescript • Python

### DATABASE:

• SQL • MongoDB • PostgreSQL

### FRAMEWORKS / LIBRARIES:

• Spring boot • Angular • React

### FAMILIAR:

• AWS • GitHub • JIRA

## PAPERS

Written & Published review paper on  
["Performance Comparison Analysis for Medical Images Using Deep Learning Approaches"](#)

Written & Published Implementation Paper on  
["Diagnosis of Pulmonary Diseases from Chest X-Ray Using Deep Learning Approaches."](#)

## COPYRIGHTS

Registered Copyright for implementation for learning module  
Diary No: 21137/2022-CO/L

## EXPERIENCE

PTC | Full Time

July 2022 – Present | Pune, India

- Software Analyst | April 2023 – Present

1. Currently working on PTC WRV&S platform (prev. Integrity, ALM Segment) in Angular framework and layered java application.
2. Collaborating with cross-functional teams (QA & PM) to design and implement scalable solutions.
3. Took ownership of specific features, becoming the Subject Matter Expert (SME) for those functionalities.
4. Working on 3<sup>rd</sup> party library integrations and communicating with required stakeholders to integrate with current use cases.
5. Mentored pair of interns to design and implement solutions in both frontend and backend technologies.

- Associate Software Analyst | July 2022 – April 2023

1. Joined PTC WRV&S product and contributed for angular project (web interface).
2. Assumed ownership of specific modules within applications, consistently meeting deadlines and adhering to project requirements.
3. Actively participated in code reviews, debugging sessions, and testing procedures, ensuring the quality and functionality of software components.
4. Engaged in continuous learning and professional development, assisted senior developers in troubleshooting issues, writing automations for in developing features, and contributed to the documentation process.

Exposure: **Java11, Angular Framework, Typescript, Jenkins, Integrity.**

Druva Data Solution | Intern

06 Jan 2022 – Present | Pune, India

1. Primary role to implement Quick Regression automation for the assigned features.
2. Worked in Phoenix backup-restore, writing an automation for various workloads.
3. Worked on basic of AWS instances.

Exposure: **Python, PyTest, GitHub, Jira, Jenkins, Cloud Platform.**

## CERTIFICATIONS

Angular Complete Edition | Udemy | Nov 2023 | [Certificate](#)

Course comprises to build modern, complex, responsive and scalable web apps using Angular.

Data Science Course 2021 | Udemy | Aug 2021 | [Certificate](#)

Course comprising of Mathematics, Statistics, Python, Advanced Statistics in Python, Machine & Deep Learning

# PROJECTS

## CureCO Pulmonary Disease Detection | BE Project | July 2021 – Apr 2022

**Tech Stack: Deep Learning, Streamlit, Python, Angular, Node, Firebase**

1. It's the product designed for detection for pulmonary disease (Covid-19, Thorax) detection.
2. The framework is designed for Realtime inter-Hospital management for a city.
3. The frontend comprised of Angular with backend as Node and basic Express and connect it to Firebase Services.
4. It is role-based authorization along with API provided by firebase and generating reports of patient based on the chest X-ray. The deep learning trained model returns the detected disease and the frontend is then generating the report.
  - a. Hospitals creates and generate report through uploading JPG image of Xray and to assign Doctors which give their prognosis. Each role has their individual scope of features to access.
  - b. Doctors can view the patient reports and can generate the prescription.
  - c. Patient can view their reports and prognosis given by doctors.

Future Scope: Can add the appointment system and Hospitals can have dashboard with the data.

## ERP FOR MACHINE TOOLS | May 2021

**Tech Stack: Java, JDBC, MySQL**

1. Managing real-time manufacturing of product requires managing the availability of parts to pipeline the development.
2. The scope was there would be management and workforce. For manufacturing the machines, user has to enter the number of machine or select from list (UI) and the system entered requirement, timeline and required process will be displayed on basis of which, it'll calculate availability of parts, also some parts could be manufactured inhouse. And it'll generate a list and on management's approval, an auto (template) spare part mail will be sent to registered suppliers.

Future Scope: Can involve customers up to some extent with support ticket system.

## FOOD SECURITY APP | Jun 2020

**Tech Stack: Android studio, Java, Firebase**

1. Two user roles: Citizen and Vendor.
2. Both can sign in with Phone number with 2 factor authorization, Citizen will have to provide UIDAI (Aadhar) number and Vendor to Provide FSSAI number. (The registration to be done by Government)
3. After the verification, user account will be created provided QR Code will be given for each individual,
4. Citizen can scan vendor's QR to give \*Rashaan\*. The prices of \*Rashaan\* will vary as per economic
5. status registered at government. (PAN Verification).
6. The government will decide quota to distribute to particular vendor and to be utilized by citizen
7. There will be electronic receipt generated, which will keep track of cash flow.
8. and to estimate actual success of Facility.

Future Scope: Can have enhanced dashboard for government.

## COVID-19 PUNE DASHBOARD | May 2020

**Tech Stack: Android studio, Java, Firebase**

1. During times of COVID-19 at first there was no dashboard for Pune city.
2. The app shows active count of patients, deaths and recovered along with the ward wise list.
3. Displaying pie charts for wards and total active, recovered and deaths.