

# Aarush Kukade

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Aspiring software developer with a strong foundation in machine learning and data science, seeking an opportunity to apply development skills and passionate about problem-solving & continuous learning to contribute effectively to a dynamic team.

## Education

<b>Bachelor's of Computer Engineering</b>	Nov 2022 – Current
Savitribai Phule Pune University — CGPA: 7.44	Pune
<b>HSC</b>	Jun 2021 – April 2022
Abhishek Jr. College — Percentage: 71.33	Pune
<b>CBSE-10th</b>	Jun 2019 – Mar 2020
Podar International School — Percentage: 88.4	Pune

## Work Experience

<b>TechInfoSync</b>	Feb 2024 – May 2024
Project Assistant	
<ul style="list-style-type: none"><li>At TechInfoSync, I worked closely with development team and client to finalize and create the core framework for the project.</li><li>Worked on backend and data security for a Child monitoring app for parents to monitor child's digital activity named Innocence Care.</li></ul>	

## Projects

<b>PharmaPredict – Machine Learning Disease Prediction Web App</b>	Oct 2024 – Dec 2024
Technology: Python, Flask, Scikit-learn, HTML/CSS, Git	
<ul style="list-style-type: none"><li>Developed a machine learning-based web app for disease prediction from user-input symptoms.</li><li>Implemented real-time data integration, appending user submissions to the dataset for continuous retraining and accuracy improvement.</li><li>Applied preprocessing, feature engineering, and model tuning to enhance prediction performance.</li><li>Built and deployed the backend with Flask, and designed a responsive frontend with HTML/CSS.</li><li>Maintained workflow with Git version control and best practices across the development lifecycle.</li></ul>	
<b>2-Tier To-do Application with CI/CD Deployment</b>	May 2024 – Jul 2024
Technology: Node.js, Docker, Jenkins, AWS EC2, GitHub Webhooks	
<ul style="list-style-type: none"><li>Deployed and managed a 2-tier Node.js To-do app using Docker containers on AWS EC2 for scalable cloud hosting.</li><li>Automated CI/CD pipeline with Jenkins and GitHub webhooks, enabling seamless, automated code deployments.</li><li>Ensured stable and efficient deployment using containerization and cloud infrastructure best practices.</li></ul>	
<b>Private Cloud &amp; Media Server</b>	Jan 2024 – Mar 2024
Technology: Linux, Virtualization, Networking, Self-hosted Services	
<ul style="list-style-type: none"><li>Built and configured a home server to host applications, manage storage, and enable secure remote access.</li><li>Implemented virtualization, self-hosted services, and network optimization for scalability and performance.</li></ul>	

## Technical Skills

- Programming Language** — Python, C++.
- Technology** — Data Science, Machine learning. AWS , Google Cloud.
- Libraries** — Scikit-learn, Numpy, Pandas.
- Framework** — Flask.
- Database** — SQL, MySQL.
- Course Work** — Data Structures & Algorithms, Object Oriented Programming, Machine Learning, Cloud Computing.
- Tool Used** — Docker, Git, Postman.

## ACHIEVEMENTS

- GOVT. OF INDIA COPYRIGHT** — LAB EQUIP: LABORATORY INSTRUMENT IDENTIFICATION SYSTEM
- Hacker Rank** - 5 Star C++, 5 Star Python.
- Student Association of Information Technology**—President
- GDGC**—Mentor
- Volunteer**— ATVC, IEEE, Vihangam, Runanubandh.