

# Yadneya Joshi

## Software Developer

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• <https://www.linkedin.com/in/yadneya-joshi-920299198/> • <https://github.com/Yadnu> • [portfolio](#)

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### SKILLS

C++ | JAVA | TypeScript | JavaScript | Express | MongoDB | React JS | Docker | Tailwind CSS | Node JS | GitHub | JAVA | SQL | Prisma | Redis | Flask | Machine Learning | Grafana | Sentry | AWS | Object Oriented Programming | Linux **WORK EXPERIENCE**

#### Software Engineer Intern

June 2022 – June

2023

PTC Softwares, Pune

- Innovated and enhanced Windchill REST Services (WRS) to optimize data retrieval, resulting in a 40% reduction in response time.
- Designed comprehensive integration tests, executing 200+ test cases, ensuring seamless integration of Windchill modules and improving overall system reliability by 25%.
- Refined automated server installation processes using Jenkins, reducing deployment time by 50% and enhancing team productivity.
- Streamlined the report generation process by integrating reporting tools, resulting in a 30% increase in report accuracy and saving 15 hours of manual work per week.

#### Python Developer Intern

August 2022 – September 2022

Elite Techno Groups, (Remote)

- Spearheaded the strategic utilization of prominent Python libraries, including NumPy, Pandas, and Matplotlib, across 5+ projects, revolutionizing data analysis processes and transforming data visualization, ultimately driving a remarkable 25% increase in data accuracy.
- Co-ordinated to a team project, implementing machine learning algorithms from Scikit-Learn and TensorFlow, enhancing prediction accuracy by 15% and optimizing model efficiency by 30%.
- Collaborated in a research initiative, analyzing mammography data from 10,000 patients, identifying patterns through deep learning algorithms.

### PERSONAL PROJECTS

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#### CarePulse | NextJS, TypeScript, Appwrite, Tailwind CSS, Sentry

April 2024 - July 2024

- Developed a user-friendly SaaS health portal to efficiently manage hospital services, ensuring a secure and seamless user experience.
- Monitored application performance and security using Sentry, ensuring timely detection and resolution of issues.
- Implemented a high-performance backend using Appwrite (Backend as a Service), achieving a 20% faster response time compared to single-threaded Node.js applications.
- Streamlined key healthcare processes, including patient registration, appointment scheduling, and medical records management, improving operational efficiency.
- Architected an SMS alert notification system to enhance patient communication and ensure timely updates.

#### QA system using NLP | Flask, SK-learn, React

April 2023 - May 2023

- Implemented a state-of-the-art QA system utilizing a robust summarization algorithm and leveraging BERT model for accurate keyword extraction; achieved a 40% reduction in errors and improved accuracy in data analysis.

- Integrated APIs from reputable sources such as Wikipedia and generative AI platforms to fetch diverse and reliable data for the QA system, ensuring a comprehensive knowledge base for accurate and contextually relevant responses.
- Architected and deployed data preprocessing methodologies, filtering and validating API data, which led to a 30% reduction in irrelevant information and enhanced the system's accuracy and responsiveness.
- Conducted rigorous testing and fine-tuning, achieving a false positive rate reduction of 20%, thereby optimizing the QA system's reliability and increasing user confidence in the answers provided.

## Movie Recommendation System

May 2021 – July 2021

- Orchestrated the optimization of the movie recommendation system, leveraging AI and machine learning techniques, leading to a 35% increase in user interaction and a 12% rise in revenue from movie rentals.
- Incorporated SKlearn library for machine learning and Tkinter for the user interface. The System uses a model-based approach.

## EDUCATION

California State University – Fullerton

August 2024 - Present

Master of Science in Computer Science

Pimpri Chinchwad College of Engineering

August 2019 – July 2023 Bachelor of

Engineering— Computer Engineering

CGPA: 9.09

## CERTIFICATES

Web development Bootcamp – CodeHelp

April 2023 - October 2023 Python and

Django Framework and HTML5- Udemy

October 2023 - October 2023

Python and Flask Demonstration Practice – Udemy

April 2023 - April 2023

Complete Introduction to SQL Programming – Udemy

May 2022 - June 2022

Data Science with Python – Udemy

April 2022 - May 2022

Complete Introduction to C++ Programming – Udemy

September 2021 - September 2021

## LANGUAGES

English (Fluent)

Hindi (Fluent)

Marathi (Native)