

Yadneya Joshi

Software Developer

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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 Software, India

- 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

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 Sci-Kit learn library for machine learning and Tk-inter 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

0-100 Cohort

January-2024 – June 2024

Web development Bootcamp – Code Help

April 2023 - October 2023

Python and Django Framework and HTML5- Udemy

October 2023 - October 2023

Complete Introduction to SQL Programming – Udemy

May 2022 - June 2022

Data Science with Python – Udemy

April 2022 - May 2022

LANGUAGES

English (Fluent)

Hindi (Fluent)

Marathi (Native)