

YOGESHWAR PAWADE

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SUMMARY

Solutions-driven software engineer with 2 years of experience building scalable applications. Recent Computer Science graduate eager to contribute technical skills and solve complex problems in dynamic environments, open to relocation.

EDUCATION

Illinois Institute of Technology, Chicago, IL

Expected May 2025

Master of Computer Science, GPA: 3.8

- Coursework: Science of Programming, Computer Networks, Advance Database Organization, Unified Modeling Language, Mobile Application Development, Machine Learning, Big Data Technologies.

Symbiosis Institute of Technology, Pune, India

July 2019 - May 2023

Bachelor of Technology in Computer Science, GPA: 3.3

- Coursework: Data Structures and Algorithms, Database Organization, Operating Systems, Software Engineering, Object-Oriented Programming, Cloud Computing, Machine Learning, Artificial Intelligence.

PROFESSIONAL EXPERIENCE

Software Engineer Intern

Reality AI, New York, United States

June 2024 - October 2024

- Engineered Marvel AI, a Teaching Assistant utilizing Next.js, React.js, and Firebase, working on both frontend and backend features such as the Intelligent Quiz Generator, Interactive Flashcard Creator, and Real-Time Chat Assistance.
- Developed responsive interfaces using Material UI and Redux Toolkit, while supporting serverless backend functions with Firebase Functions, Firestore, and Redis to optimize real-time data handling and performance.
- Collaborated in an agile team environment alongside a team of 7 developers, managed GitHub issue tracking for multiple features, and contributed to cloud deployment and scalable system architecture for Marvel AI.

Software Developer

Social Syncing, Pune, India

June 2023 - September 2023

- Handled 2 customer projects to streamline social media synchronization, reducing manual intervention time for clients.
- Applied Redis caching to cut down database load and refined backend systems to handle 12% more concurrent users by refactoring existing server-side code, decreasing server response times.
- Optimized data synchronization algorithms, decreasing latency by 35% and improving cross-platform data consistency, leading to higher retention rates.

Robotic Process Automation Developer Intern

AutomationEdge, Pune, India

January 2023 - May 2023

- Implemented an AI-powered WhatsApp chatbot (EEze) to streamline Bajaj Allianz's (BALIC's) employee self-service processes, improving efficiency by 37% and cutting HR query resolution time.
- Integrated payroll systems with chatbot, making it easy for employees to securely access essential documents such as Form 16, payslips, and tax forecasts, enhancing user satisfaction by 22%.
- Designed and deployed 3 modules for ID unlocking and password resets, cutting IT support tickets through self-service capabilities.

Software Developer Intern

Akshaya Patra Foundation (NGO), Pune, India

August 2021 - February 2022

- Showcased expertise in full-stack development, blockchain integration, and UI/UX, delivering 2 innovative solutions aligned with Akshaya Patra's mission of social impact and transparency.

- Delivered a blockchain-based crowdfunding platform with React, Django, and MetaMask integration for secure milestone-based funding, reducing transaction latency by 18%.
- Created a Nutritional Value Tracker with inventory tracking and nutrition calculation features, empowered kitchen staff to make healthier meal options, leading to a 25% increase in favorable feedback from beneficiaries over 6 months.

PROJECTS

Oasis: AI-Powered Personal Assistant and Task/Goal Manager July 2024 - Present

- Developed a responsive user interface with React, enabling seamless two-way conversational interactions and intuitive task management with CRUD functionality for creating, updating, and deleting tasks.
- Built scalable backend services using Django, incorporating Llama AI trained with prompt engineering and LangChain to design Agents for chaining and evaluating prompts, enhancing user productivity.
- Utilized SQLite for reliable data storage. Deployed Docker-containerized application on AWS, validated APIs with Postman to ensure seamless backend integration, and maintained version control with Git for collaborative development.

PlanItNow: Event Hosting and RSVP Platform May 2024 - August 2024

- Engineered an interactive platform using React Vite and Tailwind, facilitating users to organize events, RSVP, and manage events with CRUD functionality for event details and incorporated location-based venue suggestions using Django.
- Implemented 2 secure methods for login/signup: Google OAuth and email-password authentication, ensuring seamless session management. Added email invitations for collaborators to RSVP with distinct views for hosted and RSVP'd events.
- Devised a dedicated messenger feature for events, facilitating attendees and hosts to discuss event details in real-time, with restricted details update/delete permissions for collaborators, increasing collaboration efficiency by 40%.

MedEase: Comprehensive Healthcare Management System April 2022 - September 2022

- Built a full-stack web application with React, Django, and PostgreSQL to centralize hospital operations, including patient record management, appointment scheduling, and inventory control.
- Integrated dynamic APIs to accelerate real-time role-based access control for administrators, doctors, pharmacists, and receptionists through Django's authentication framework, ensuring data security with privacy standards.
- Designed a relational database schema in PostgreSQL to enable scalable and efficient hospital data storage, increasing data retrieval performance by 40%.

SKILLS

- **Programming Languages:** C, C++, Java, JavaScript, TypeScript, Python, R, HTML, CSS.
- **Frameworks and Libraries:** Node, React, Angular, Next.js, Django, FastAPI, Express.js, Tailwind CSS, Bootstrap.
- **Databases:** SQL, NoSQL, PostgreSQL, SQLite, Supabase, Firebase, MySQL, MongoDB.
- **APIs and Cloud Platforms:** REST API, GraphQL, AWS, Google Cloud, Firebase, Supabase.
- **DevOps and Tools:** Git, GitHub, CI/CD, Docker, Kubernetes, Elasticsearch, Postman, Selenium, Linux, Windows.
- **Testing and Project Management:** OOP, MVC, Unit Testing (JUnit, Pytest), Integration Testing, Jira, Agile, Scrum.
- **Soft Skills:** Communication, Teamwork and Collaboration, Problem-Solving, Adaptability.

PUBLICATIONS

- Music and Movie Recommendation Using Emotion Detection - Intl. Journal of Novel Research and Development.
- Covicare - IEEE 8th International Conference on Signal Processing ICSC 2022.

CERTIFICATIONS

- Walmart USA - Advance Software Engineering April 2024
- JP Morgan Chase & Co. - Software Engineering October 2021