

Aadesh Khamkar

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Summary

Motivated and detail-oriented Computer Engineering student at **D. Y. Patil Institute of Engineering, Management & Research, Akurdi**, and a certified **NASSCOM Future Skills Ambassador**. Strong foundation in Python, Java. Skilled in UI/UX design and web development, with experience in building responsive, user-focused digital solutions. Well-versed in data structures, algorithms, and database systems. Passionate about designing intuitive interfaces that merge creativity with technology, and committed to continuous learning and innovation in software development.

Education

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| • D.Y. Patil Institute of Engineering, Management and Research, Pune
<i>Bachelor of Engineering (Artificial Intelligence and Data Science) [CGPA: 8.82]</i> | Duration: 2022 – Present |
| • Shri Chhatrapati Maharaj Mahavidyalaya, Shrigonda
<i>HSC Board – Science Stream. [Percentage: 62.67%]</i> | Duration: 2020 – 2022 |
| • S.K.M.V. Yelpane
<i>SSC Board – Maharashtra. [Percentage: 81.6%]</i> | Duration: 2019- 2020 |

Technologies

- **Languages:** Java, Python, HTML, CSS, JavaScript
- **Backend Development:** Spring Boot, REST APIs, MVC Architecture, MySQL, MongoDB
- **Frontend Development:** HTML5, CSS3, JavaScript, Bootstrap, Responsive Web Design
- **Libraries & Frameworks:** Spring Framework, Pandas, NumPy, Matplotlib, Seaborn
- **Tools:** GitHub, Postman, Figma, Canva, VS Code, Eclipse IDE, Agile SDLC
- **Core Skills:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), RESTful Web Services.

Internships

- Sumago Infotech PVT. LTD.** **Dec 2024 - Feb 2025: Full Stack Developer (Java)**
- Worked on end-to-end development of web applications using Java and Spring Boot.
 - Collaborated with frontend and backend teams to ensure seamless integration and functionality.
 - Attended regular stand-ups to report progress and resolve development challenges.
 - Contributed to sprint planning, code reviews, and agile ceremonies for continuous improvement.

Projects

- Intelligent RTO Monitoring and Forecasting Management:** *Java, Spring Boot, MySQL, Machine Learning, Front-End Framework.*
- Built a full-stack system for RTOs to predict key vehicle metrics including resale value, fuel usage, and emission compliance using machine-learning models.
 - Implemented real-time number plate analysis for cross-state detection and automated new-vehicle entry logging with secure in-memory data handling.
 - Added PDF generation for official records and designed data-driven workflows to support accurate forecasting and decision-making.

- HearNSee-Adaptive Education for Deaf & Blind Students:** *JavaScript, Java, Spring Boot, MySQL, Machine Learning, AI.*
- Developed an inclusive learning platform for SIH 2024, designed for students aged 5–16 with adaptive learning features for diverse user needs.
 - Implemented audio-based tools for blind students, sign-language recognition for deaf learners, and an interactive interface for common students to ensure accessibility.
 - Contributed to frontend development, backend integration, and AI-driven modules to deliver personalized and engaging learning experiences.

- Behind The Smile: Mental Health Survey App:** *Java, React.js, Android Development, AWS, Research Skills*
- Developed a health monitoring app focused on improving mental and physical well-being through personalized, age-based Ayurvedic and modern health insights.
 - Implemented home health monitoring tools for vital tracking, symptom analysis, and user-specific wellness recommendations.
 - Integrated traditional Ayurvedic principles with modern technology to deliver a holistic, data-driven approach to overall wellness.

Mini Project

1. **Multithreaded Java HTTP Server** – Built a lightweight HTTP server in Java to handle multiple client requests concurrently using multithreading.
2. **Java P2P File Sharer** – Created a peer-to-peer file sharing system enabling direct file transfers between users over a network.

Positions of Responsibility

NASSCOM Future Skills Ambassador

- Promoted digital and emerging tech upskilling by guiding peers through NASSCOM FutureSkills programs.
- Organized awareness activities, encouraged participation, and supported learners in adopting industry-relevant skills.

Additional Information

Achievements: Best Performer Award – During Internship

Languages: English, Hindi, Marathi.

Certifications: Spring Boot AI Essentials (Udemy), Java Full Stack Development (Coursera).