

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

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| <b>Sumago Infotech PVT. LTD.</b> <ul style="list-style-type: none"><li>• Worked on end-to-end development of web applications using Java and Spring Boot.</li><li>• Collaborated with frontend and backend teams to ensure seamless integration and functionality.</li><li>• Attended regular stand-ups to report progress and resolve development challenges.</li><li>• Contributed to sprint planning, code reviews, and agile ceremonies for continuous improvement.</li></ul> | <b>Dec 2024 - Feb 2025:</b> <i>Full Stack Developer (Java)</i> |
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## 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).