



Ketan Darekar

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[LinkedIn Profile](#) | [GitHub Profile](#) | [My Portfolio Website](#)

Professional Summary

Master's student in Applied Computer Science with experience in full-stack development and AI. Proficient in React.js, Node.js, Python, and GCP. Skilled in RESTful APIs, Agile, CI/CD, and Git. Seeking internship or full-time Position. Passionate about building scalable, user-centric applications that solve real-world problems.

Education

SRH Hochschule Heidelberg, Germany

Master's in applied computer science (Oct 2023 – Present)

MIT ACSC, Pune, India

Bachelor's In Computer Application (Aug 2019 – April 2022)

Projects

AI Powered Chatbot & Assistance Platform

[GitHub - SmartTalk-AI](#)

- Built an AI-powered chatbot with React.js, Google Gemini API, and Clerk.js, enabling real-time chat, image analysis, and code assistance with a responsive, streaming chat interface.
- Integrated OpenWeather and News APIs for real-time weather forecasts, personalized news updates, and contextual insights, enhancing user experience with data-driven recommendations.

Ecommerce Web Application with Stripe and firebase

[GitHub - Ecommerce](#)

- Built a full-stack e-commerce platform with React, Node.js, Express.js, MongoDB, and Tailwind CSS, featuring product listings, cart management, and secure checkout.
- Integrated Stripe for payments and Firebase for authentication & real-time database, ensuring seamless transactions and user management.

AutoML vs. Custom Training in GCP for Image Classification

[GitHub - Custom Training](#)

- Trained and tested cats and dogs image datasets using Google Cloud AutoML and Custom Training (TensorFlow) to compare classification accuracy and performance.
- Evaluated accuracy, training time, and efficiency to highlight the strengths and trade-offs of both methods.

Hotel Management System

[GitHub - Hotel Management](#)

- Developed a Java Swing-based Hotel Management Application with room booking, customer management, and billing, integrating MySQL and JDBC for real-time data handling.
- Built a user-friendly interface with validation, CRUD, and security for high efficiency.

Work Experience

Education4OL | Pune, India

Software Development Intern (Web Development)

[Internship Certificate](#)

Nov 2021 – Feb 2022

- Developed a responsive Dairy Product website using HTML, CSS, JavaScript, and Bootstrap, ensuring seamless UI/UX across devices and browsers.
- Improved load speed and cross-browser compatibility by applying front-end best practices and debugging techniques.

Skills & Tools

- **Languages & Programming:** Python, Java, HTML, CSS, JavaScript.
- **Frameworks & Libraries:** React.js, Express.js, Node.js.
- **Databases:** MySQL, MongoDB.
- **Tools & Platforms:** Git, GitHub, Postman, Microsoft Office (Excel, Word, PowerPoint, SharePoint).
- **IDEs:** Visual Studio Code, NetBeans, Jupyter Notebook, Eclipse.
- **Methodologies:** Agile, Scrum.
- **Soft Skills:** Teamwork, Communication, Problem-Solving, Critical Thinking, Time Management.
- **Technical Competencies:** Software Development, Frontend Development, TypeScript, UI/UX, Bug Fixing, RESTful APIs, Generative AI, API Integration.

Certifications

- | | |
|---|-----------------------------|
| • Full Stack Software Developer – IBM, 2025 | certificate |
| • Python Full-Stack – CJC Institute, 2023 | certificate |
| • Azure Fundamentals – Microsoft, 2022 | certificate |
| • German B1 – Goethe Institute, 2022 | certificate |
| • German B2 Sprechen – Goethe Institute, 2023 | certificate |

Languages

English – C1
German – B2
Marathi – Native