

Ketan Darekar

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



Professional Summary

Master's student in Applied Computer Science with expertise in full-stack development, AI, and cloud computing. Skilled in React.js, Node.js, Python, and Google Cloud, with hands-on experience in building AI chatbots and e-commerce platforms. Proven ability to develop responsive interfaces and integrate secure authentication systems. Seeking a working student or internship role to further apply and expand technical skills in a dynamic environment.

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

[Source Code](#)

- 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.

AutoML vs. Custom Training in GCP for Image Classification

[Source Code](#)

- Trained and tested cats and dogs image datasets using Google Cloud AutoML and Custom Training (TensorFlow) to compare classification accuracy and performance.
- Analyzed results based on accuracy, training time, and computational efficiency, providing insights into the advantages and trade-offs of both approaches for real-world applications.

Ecommerce Web Application with Stripe and firebase

[Source Code](#)

- 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.

Hotel Management System

[Source Code](#)

- Developed a Java Swing-based Hotel Management Application with room booking, customer management, and billing, integrating MySQL and JDBC for real-time data handling.
- Designed a user-friendly interface with data validation, CRUD operations, and security optimizations, ensuring efficient performance and maintainability.

Work Experience

Education4OL | Pune, India

[Service Certificate](#)

Software Development Intern (Web Development)

Nov 2021 – Feb 2022

- Developed a responsive Dairy Product website from scratch using HTML, CSS, JavaScript, and Bootstrap, featuring a Home Page, Product Page, and Login Page.
- Focused on user-friendly UI/UX design, ensuring smooth navigation, cross-browser compatibility, and optimized page load speed.
- Collaborated with the team to integrate dynamic elements while applying front-end best practices for performance, accessibility, and functionality enhancement.

Technical Skills & Tools

- **Programming:** C++, Python, Java, HTML, CSS, JavaScript.
- **Frameworks & Libraries:** Angular.js, React.js, Node.js.
- **Databases:** MYSQL, MongoDB.
- **Tools & Platforms:** Git, GitHub, Postman, Microsoft Office (Excel, Word, PowerPoint, SharePoint).
- **IDEs:** Visual Studio, NetBeans, Jupyter Notebook, Eclipse.
- **Methodologies:** Agile, Scrum.
- **Additional Exposure:** Full-Stack Development, Software Development, UI/UX, Bug Fixing, AI, API Integration, Docker, Git, GitHub, SonarQube, Jira.

Certifications

- Python Full-Stack (CJC) [certificate](#)
- Azure Fundamentals (Microsoft) [certificate](#)
- German B1 (Goethe Institute) [certificate](#)
- German B2 Sprechen (Goethe Institute) [certificate](#)
- Machine Learning (Internshala) [certificate](#)

Languages

English – C1
German – B2
Hindi – Native
Marathi - Native