

Ganesh Patil

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Education

Pimpri Chinchwad University, Pune

Expected August 2028

Bachelor of Technology in Computer science & Engineering (CGPA 7.03)

Acharya PU College Of Science, Kalburgi

2022-2024

Higher Secondary Education (HSE)

Experience:

Open-Source Contributor

Community Projects | GitHub: <https://github.com/GaneshPatil7517>

2024 – Present

- Resolved **multiple issues** across open-source repositories, including UI bugs, content inconsistencies, and workflow-related improvements.
- Authored and enhanced **technical documentation**, ensuring clarity, accuracy, and adherence to project contribution standards.
- Actively followed open-source contribution workflows using **Git and GitHub**, including forking repositories, creating feature branches, submitting pull requests, and incorporating review feedback.
- Collaborated with maintainers and contributors to understand issue requirements, propose solutions, and deliver fixes efficiently.

Projects:

1. Assistant-UI TypeScript/React library for building production-grade AI chat interfaces link: [live](#) GitHub: [GaneshpatilAIchatbot](#)

- Developed composable React primitives for streaming chat UX with auto-scrolling, accessibility, real-time updates, and markdown/code highlighting support
- Integrated with major AI providers (OpenAI, Anthropic, Google Gemini, AWS Bedrock, Azure) and backend frameworks (Vercel AI SDK, Lang Graph, Mastra)
- Built enterprise-ready features including chat history persistence, analytics, voice input, file attachments, and tool call rendering with human-in-the-loop approvals

2. Open-Source Organization Recommender (GSoC-Inspired Platform) Link: [Live](#) GitHub: [GaneshPatil7517 \(Ganesh Patil\)](#)

Tech Stack: React, Node.js, Express, MongoDB, REST APIs, JWT, GitHub.

- Built a MERN-based platform for discovering and ranking open-source organizations using skill-based search.
- Created data-driven dashboards with MongoDB aggregations to visualize trends, growth, and technology usage.
- Implemented secure REST APIs with JWT authentication, admin workflows, and a scalable recommendation system.

3. DSA Playground – Algorithm Visualization Platform Link: <https://ganeshpatil7517.github.io/Dsa-playgroud/>

Tech Stack: React, Vite, Tailwind CSS, Framer Motion, React Router

- Built an interactive web platform that visualizes sorting algorithms and core data structures through step-by-step animations.
- Implemented Bubble, Selection, Insertion, Merge, and Quick Sort with real-time time and space complexity analysis.
- Designed a responsive and smooth user interface using **Tailwind CSS and Framer Motion**, with modular navigation via **React Router**.

Technical Skills:

Languages: C++, Python, JavaScript, HTML and CSS

Framework: React, Express.js, Node.js

Tools: GIT, MySQL, Mongo shell, GitHub Actions (CICD), Google Collab, VS code, jupyter notebook, Basic Docker & Kubernetes.

Tech Stack: MERN Stack Web Development, Artificial Intelligence (AI), Basic Devops & Internet of Things (IoT).

Achievements:

Techeon Hackathon: University's Hackathon and secured Runner-Up position.

Link: [Post Link](#)

PCU's SIH: University's Smart India Internal Hackathon and secured Runner-Up position

Link: [Post Link](#)

GDG PUNE: Selected For Google Developers Group Representative Student

Link: [Post Link](#)