

# Prateek Sharma

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[Portfolio](#) [LinkedIn](#) [Github](#)

## Summary

"Enthusiastic Computer Science Student and Open Source Contributor with a focus on Artificial Intelligence and System Design. Proven ability to build and maintain autonomous agents and scalable AI architectures from the ground up. Adept at optimizing system performance and participating in collaborative development within global ecosystems. Committed to solving complex problems through high-quality code and scalable, community-driven solutions."

## Education

Chameli Devi Group of Institutions, Indore Bachelor of Technology - CSE (Artificial Intelligence & Machine Learning)	2025-29
St. Sebastian's School Higher Secondary Education (12th Grade)   Score: 80% (PCM)	2025
St. Sebastian's School Secondary Education (10th Grade)   Score: 70%	2023

## Technical Skills

**Programming Languages:** C++, C#, JavaScript, Python, HTML, CSS

**Technologies & Tools:** Git, GitHub, kaggle , Codechef, CLI Automation , Linux Administration (Fedora) | Bash Shell Scripting

**AI & Machine Learning:** GenAI, Prompt Engineering, Natural Language Processing, LLM,Deep learning, RAG, Data Visualisation

**Design & Others:** Canva, RESTful APIs, Cross-browser Compatibility, Responsive Design, System Debugging, API Design

**Cloud & DevOps:** GCP, Docker (Contenerization)& Kubernetes , CI/CD Pipelines (Github Actions), System Optimization

## Projects

3D Bike Racing Simulation (Pure JS)	2025
<ul style="list-style-type: none"><li>Developed a 3D racing game using Vanilla JavaScript, focusing on core programming logic and Game Physics.</li><li>Implemented Collision Detection and frame-based animations (60 FPS) without using external game engines or frameworks.</li><li>Optimized DOM manipulation for smooth rendering and responsive user controls.</li></ul>	
AI-Restaurant-Web-Architect	
<ul style="list-style-type: none"><li>Architected a full-stack web application integrating AI-driven layout generation for restaurant management.</li><li>Designed RESTful APIs for efficient data flow between the AI backend and the interactive frontend.</li><li>Managed deployment workflows, ensuring high availability and responsive design across all devices.</li></ul>	

## Professional Experience

### Open Source Contributions

- Open Source (Keploy/Golang): Optimized backend logic and managed global Git/GitHub workflows for community-driven tools.
- System Reliability Engineer: Debugged 30+ critical production errors related to hardware-software integration and environment mismatches.
- DevOps & Automation: Patched system bottlenecks using CLI, Bash, and Docker for seamless cross-platform deployments.
- Technical Leadership: Mentored peers in troubleshooting complex bugs and optimizing large-scale project configurations.

## Open Source Contributions & Community

2025
• Open Source Contributor   Kubeflow & Keploy: Actively contributing to Kubeflow (Google-led project) and Keploy, focusing on MLOps automation and improving system reliability for cloud-native applications.
• MLOps & Pipeline Optimization: Collaborated with the global community to refine machine learning pipelines and enhance deployment strategies using Kubernetes-native tools.
• Advanced Version Control: Managing complex code integrations and peer reviews using Git/GitHub within large-scale, high-impact open-source ecosystems.
• System Reliability & Automation: Implementing CI/CD concepts and automated testing to reduce deployment bottlenecks in large-scale open-source repositories.

## Leaderships

Current
• Technical Mentorship: Guided peers in resolving complex technical bugs and optimizing development workflows in collaborative environments.
• Strategic Problem Solving: Led critical system recovery efforts during high-pressure hardware failures and production-level software errors.
• Project Leadership: Managed the end-to-end execution of AI-driven projects, from initial algorithmic design to final deployment.