Harshkumar Padhiyar

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Education

Bachelor of Technology, *Parul University*   09/2022 – 05/2026
CGPA : 8.72   Vadodara, IN

Skills

Programming Language :   **Frameworks :**
Java, Python, SQL(MySQL / MongoDB)   React Js, Angular Js, Node Js, Flask

Tools :   **Libraries :**
Git, Docker, Google Cloud Platform, Visual Studio   Pandas, NumPy, Matplotlib, Scikit – learn
Code, PyCharm, IntelliJ, Eclipse, PowerBI, Excel

Certificates

Cisco Certified Network Associate ⬈
Gaining knowledge in networking
fundamentals, including routing,
switching, IP connectivity, and
network security.

Projects

Sudoku, *Python, Pygame*   12/2024 – 01/2025
- **Developed a Sudoku game using Python and Pygame** with dynamic puzzle
  generation and multiple difficulty levels for a customized gaming experience.
- **Designed an intuitive GUI** supporting both mouse and keyboard controls, along
  with note-taking functionality for strategic gameplay.
- **Implemented a backtracking algorithm** for automated puzzle solving and a
  solution-checking feature to provide real-time feedback.
- **Enhanced user experience** with step-by-step solving demonstrations, visual
  error feedback, and interactive gameplay mechanics.

PixelVerse, *AI based Text To Image Converter*   03/2024 – 04/2024
- Designed and developed a Full Stack AI SaaS application for text-to-image
  generation using the MERN stack, ensuring robust performance and scalability.
- Integrated user authentication, a credit-based system for image generation, and a
  secure online payment gateway for seamless transactions.
- Leveraged the Clipdrop API for AI-based image generation and implemented
  MongoDB for secure and scalable data management.

Hackthon

PiERC Hackathon, *Participant*   09/2024
Developed a freelancing marketplace with AI-enabled job matching, profile   Vadodara, IN
management, and secure escrow payments. Gained hands-on experience in full-
stack development, AI integration, secure payment systems, and building scalable
solutions while enhancing project management and problem-solving skills.