**Sagar Porwal**

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# PROFESSIONAL SKILLS

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| * **Languages:**  Python, HTML/CSS, JavaScript. React.js, Node.js * **Developer Tools:** Git/GitHub, MATLAB, Visual Studio, Postman, VS Code. * **Databases:** MySQL, MongoDB   **EDUCATION** |  |
| **VIT Bhopal University**, *CGPA: 8.46* | Bhopal, India |
| *Bachelor of Technology in Computer Science and Engineering* | August 2023 - May 2027 |
| **Lady Anusuiya Singhania Educational Academy ,** *Percentage: 76.8%* | Rajasthan, India |
| **EXPERIENCE** | April 2021 - April 2023 |
| **GSSoC Extd’ 24**   * Completed the Postman API Fundamentals Student Expert Course and earned the Badge. * Work on various Open-source problems in GSSoC Extd.   **ACHIEVEMENTS** | September 2024 - November 2024 |

**HACKTOBERFEST** October 2024 - November 2024

* Raised 4/4 Pull request in this event.
* Won all the four Badges in this event.

**Ninja Slay Ground 2.0**

* Completed all the three levels of this event hosted by Coding Ninja.
* Continuous 21 Days coding challenge.

**Other Achievements**

* Participated in Arthneeti 4.0 organized by Indian Institute of Management (IIM), Nagpur.

# PROJECTS

**HridyaVayu: AI-Powered Asthma Care System**

* **A proactive asthma management system using real-time environmental data and AI predictions.**
* **Integrates user health profiles, quiz responses, and API-fetched air quality metrics.**
* **Alerts users when asthma risk exceeds a threshold (score ≥ 0.6).**
* **Designed with React, Flask, and TensorFlow to improve respiratory health outcomes.**

**Med Prior**

* **Developed an AI-powered medical chatbot** using NLP and machine learning to analyse user symptoms and provide personalized health advisories.
* **Integrated real-time doctor booking system** based on user location or pin code, including appointment scheduling and downloadable confirmation reports.
* Engineered and fine-tuned a cutting-edge technology using **React.js, Next.js, Geolocation API, Firebase Authentication and Realtime Database, Python**.
* **Implemented automated health risk scoring and emergency detection** using conversation analysis, improving triage efficiency and response prioritization.
* **This project was made for Health-Hack 2025, an inter-college hackathon organized by VIT Bhopal University and John Hopkins University.**

**ProctorShield: Advanced Exam Monitoring System**

* **An AI-powered proctoring system using computer vision and audio analysis to ensure exam integrity.**
* **Features real-time face detection, noise monitoring, and tab-switch detection to prevent cheating.**
* **Built with OpenCV, Flask, and Python for seamless monitoring and automated alerts.**
* **Enhances remote exam security by logging violations and providing scalable solutions for institutions.**