Yash Rathore

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EDUCATION

Vellore Institute of Technology, Bhopal   Bhopal, IN
Bachelor of Technology in Computer Science   *Aug 2023 – May 2027*

HP International School   Budaun, IN
CBSE Class 12th - 93%   *Mar 2021 – May 2022*

De Paul School   Budaun, IN
CISCE Class 10th - 96.4%   *Apr 2019 – Apr 2020*

EXPERIENCE

Open Source Contributor, Hacktoberfest   October 2024
DigitalOcean and GitHub   *Remote*
- Contributed to multiple open-source repositories as part of Hacktoberfest 2024, including Python libraries, web applications, and documentation.
- Opened and merged several pull requests on GitHub related to bug fixes, feature enhancements, and code refactoring.
- Gained practical exposure to collaborative software development, version control, and community-driven coding standards.

PROJECTS

BrowseBuddy | *Python, PyQt, AI*   Jan 2025 – Apr 2025
- Developed a secure, standalone Chromium PyQt-based browser tailored for children's safe Browse.
- Implemented real-time AI-based profanity detection for enhanced content filtering.
- Optimized for speed and privacy, outperforming traditional browsers in controlled benchmarks.

Next Weather | *ESP8266, DHT11, MQ135, MySQL, Python*   Oct 2024 – Dec 2024
- Built an IoT-powered weather station with ESP8266, DHT11, and MQ135 sensors.
- Stored collected sensor data in a cloud database for real-time monitoring and analytics.
- Implemented a linear regression model to forecast future weather conditions.

CutisIQ | *Python, TensorFlow, CNN*   Dec 2024 – Feb 2025
- Created a CNN-based deep learning model for accurate diagnosis of various skin conditions.
- Achieved over 92% validation accuracy using precision, recall, and F1-score optimization.
- Designed for clinical relevance and robustness across diverse skin tone and condition datasets.

TECHNICAL SKILLS

Languages: JavaScript, Python, C/C++, HTML/CSS, SQL
Frameworks Libraries: React.js, Node.js, Next.js, TailwindCSS, PyQt5, TensorFlow, Keras, OpenCV, React Native, Expo
Tools Technologies: Git, Docker, MongoDB, PostgreSQL, AWS, Linux, Figma, VS Code, Arduino IDE, Google Colab, Jupyter Notebooks
Other Skills: REST APIs, CI/CD, GitHub OAuth, Data Visualization, Machine Learning (CNNs), UI/UX Design