Sahil Saxena

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EDUCATION

VIT Bhopal University — Sehore, India
Bachelor of Technology in Computer Science and Engineering; GPA: 8.51/10 — *October 2022 – Present*

National Public School — Indore, India
Class 12 – Central Board of Secondary Education (CBSE); Percentage: 83.4% — *2021 – 2022*

National Public School — Indore, India
Class 10 – Central Board of Secondary Education (CBSE); Percentage: 77.6% — *2019 – 2020*

SKILLS SUMMARY

- **Languages:** Python, HTML,C++, JavaScript, SQL, JAVA,REACT
- **Frameworks:** ReactJs,,TensorFlow, MongoDb, Django,NodeJS,TailwindCSS
- **Tools:** VSCode, GIT, PostgreSQL, MySQL
- **Platforms:** Web, Windows, Arduino, AWS, VS Code,Figma,MATLAB
- **Soft Skills:** Leadership, Event Management, Time Management

PROJECTS

- **Connect-O-Fy — Event Management System:**
  Tech Stack: HTML5, CSS3, JavaScript (ES6+), Figma, MySQL, REST APIs

  - **Conceptualized and launched a college event management web application, Connect-O-Fy, that automated event promotion to targeted student groups, boosting event attendance by an average of 30 students per event.:**
  - **Developed intuitive UI/UX event platform prototype in Figma, incorporating a modular JavaScript frontend with REST APIs, plus JWT authentication; resulted in 95% accuracy mobile compatibility across iOS/Android.:**
  - **Ensured reliability through Selenium/Jest testing (98% accuracy cross-browser compatibility) and debugged issues, reducing bug reports by 60% accuracy while maintaining Edge/Firefox/Chrome support.:**

- **Plant Disease Detection System — AI Solution:**
  Tech Stack: Python, TensorFlow, Keras, CNN, Google Cloud Platform (GCP), OpenCV

  - **Developed a CNN-based classification model achieving 89% accuracy on 50,000+ plant images (38 disease classes), reducing diagnosis time from 3 days to 30 seconds while potentially increasing crop yields by 15-20%.:**
  - **Optimized model performance by implementing data augmentation and hyperparameter tuning, deploying the final solution on GCP to achieve 40% faster inference compared to local execution.:**
  - **Collaborated in a 5-member Agile team to design preprocessing pipelines and evaluate models, reducing false positives by 25% through improved data cleaning techniques.:**

CERTIFICATIONS

- **Problem Solvers: Mastering Data Structures and Algorithms::** Mastered Data Structures and Algorithms through intensive training, developing optimized solutions for complex computational problems.
- **Cloud Computing::** NPTEL-Organized by IIT , A proper guide and introduction further enclosing with advanced topics based on cloud computing.
- **MERN Stack Development Certification:** Completed intensive MERN stack training (Jan-Apr 2025), building end-to-end applications with MongoDB, Express, React, and Node.js while fulfilling all project requirements.

ACHIEVEMENTS

- Hackathon Finalist — Secured top 5 among 50+ teams in Gravity Coding's frontend hackathon by building a responsive React.js web app with real-time features, praised for clean code and UX innovation.
- Played U-19 Match in Cricket for my Club in Indore, Awarded as the man of the match, My name also appeared in the Newspaper.
- Solved over 250+ Problem Solving questions based on DSA on different platforms (Leetcode,gfg).

VOLUNTEER EXPERIENCE

NGO- MITRA-JEEVAN FARMER PRODUCER LTD. — Lucknow, India
Organized workshops and awareness campaigns to educate farmers on modern agricultural practices. — *Jan 2019 - Present*