

# SWAYAM VIRMANI

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[LinkedIn](#)

[Portfolio](#)

[Leetcode](#)

[GitHub](#)

## Experience

### AI Research Intern - [Certificate](#)

August 2025 – September 2025

Cardio Flow Design, Japan · Remote

- Developed heart-phase image segmentation workflows, accurately masking left and right ventricles across **500+** cardiac MRI sequences, improving visualization precision by **~35%** for flow-pattern analysis.
- Automated repetitive image preprocessing tasks, including masking and normalization, improving workflow efficiency for hundreds of image sequences and cutting manual effort by **40%**.
- Implemented Python scripts with the company's proprietary **C# visualization tool**, enabling seamless handling and rendering of segmented images for downstream analysis.
- **Tech Stack:** **Python, OpenCV, C#, Git**

### Software Engineering Intern - [Live on Play Store](#)

June 2024 – July 2024

Indev Consultancy Pvt. Ltd., Delhi, India · On-site

- Reworked UI layouts on **8+** screens in a government Android app to enhance usability and eliminate layout inconsistencies.
- Resolved **12+** critical bugs, including UI issues and crashes, improving app stability by **40%** and optimizing user-reported errors.
- Designed authentication and form validation modules as part of a 3-member team, optimizing performance for low-resource devices and reducing average load time by **30%**.
- Integrated RESTful APIs with backend features, ensuring robust deployments and maintainable code using Git version control.
- **Tech Stack:** **Flutter, Dart, REST API, CSS, PHP**

## Projects

### ResuHelp – AI-Powered Resume Helper – [Video](#) [Users Report](#) [Live Project](#) [GitHub](#)

June 2025

- Developed a scalable full-stack application for resume analysis and comparison using **LLM-powered AI** via the Cohere API, lowering manual screening time by **85%**.
- Engineered a custom **PDF parser** and **AI feedback engine** to deliver real-time, context-aware resume suggestions, boosting user clarity and engagement by **35%**.
- Deployed publicly, achieving **48+ users, 135+ page views**, and **90% positive feedback** within the first 24 hours.
- **Tech Stack:** **React.js, JavaScript, Tailwind CSS, Node.js, Express.js, Cohere API**.

### HackFlow – Ideation Platform with Prompt-Driven AI - [Video](#) [Live Project](#) [GitHub](#)

February 2025

- Architected a full-stack React.js web app with Gemini API to generate tailored hackathon ideas, reducing ideation time by **90%**.
- Integrated user authentication, bookmarking, and persistent storage of **100+ ideas per user**, for long-term ideation visits.
- Crafted a responsive UI with an interactive FAQ, increasing user engagement time by **~25%** and minimizing bounce rate.
- **Tech Stack:** **React.js, JavaScript, Tailwind CSS, Gemini API**

## Technical Skills

- **Languages & Concepts:** C++, Python, JavaScript, Object-Oriented Programming (OOP), SQL, Data Structures
- **Web & App Development:** React.js, Node.js, Express.js, PHP Laravel, HTML, Tailwind CSS, Rest API, Flutter, Dart
- **AI/ML & Related Areas:** Scikit-learn, TensorFlow, OpenCV, Natural Language Processing (NLP)
- **Tools:** Linux/Unix, Git, GitHub, RESTful APIs, Linux/Unix, MySQL, MongoDB, Firebase, Postman

## Education

### Manipal University, Jaipur

Expected December 2027

Bachelor's in Information Technology - [Transcripts](#)

GPA: 9.10 | CGPA: 8.59

## Other

- Certificates - [View Here](#)
- DSA Practice – Solved 200+ LeetCode problems
- Dean's List of Excellence – 4th Semester (GPA 9.0+)
- Academic Excellence – Graded A+ in Object Oriented Programming, A in Operating Systems, A in Web Development