

# Swarup Futane

Github: SwarupFutane  
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## EDUCATION

- **VELLORE INSTITUTE OF TECHNOLOGY BHOPAL** Madhya Pradesh, India  
*Bachelor of Technology - Computer Science* [CGPA 8.7] 2023 -2027  
*Courses: Health Informatics, Operating Systems, Data Structures and Algorithms, Artificial Intelligence, DBMS*
- **HARIKISHAN MALOO SCHOOL** Maharashtra, India  
*Higher Secondary Education (Class 12th)* [99%] 2021
- **PODAR INTERNATIONAL SCHOOL (CBSE)** Maharashtra, India  
*Secondary Education (Class 10)* [93.4%] 2019

## SKILLS SUMMARY

- **Languages:** Dart, HTML, CSS, JAVA(basics), Python(basics), C++(basics)
- **Frameworks:** Flutter, Firestore, Flask
- **Tools:** Android Studio, Visual Code, Git, TensorFlow, CNN
- **Platforms:** Web, Windows, Android
- **Databases:** MySQL

## PROJECTS

- **BRAIN STROKE DETECTION USING DEEP LEARNING:**
  - Tech Stack: Python, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib, CNN
  - Developed a CNN model using TensorFlow and OpenCV to analyze CT scans for early stroke detection achieving 85% sensitivity in identifying potential stroke cases, enabling quicker medical intervention.
  - Preprocessed 2501 medical images data using OpenCV and data augmentation techniques.
  - Implemented a CNN to classify stroke-affected and non-affected images, improving detection rates by 30% and aiding early diagnosis, potentially reducing stroke-related fatalities.

LINK

DEMO VIDEO LINK

- **Inventory Management System (SQL-based):**
  - Tech Stack: SQL, MySQL
  - Architected InventoryDB, a relational database schema standardized for products, sales, and categories, reducing data redundancy by 60% and improving query performance by 40% across all departments.
  - Created tables (Products, Categories, Sales) with foreign key constraints to ensure data integrity.

GITHUB LINK

- **Amazon Webpage User Interface Clone:** Designed a responsive clone of the Amazon homepage using HTML and CSS.Implemented flexbox and grid layout for an optimized and structured design ensuring smooth performance across 10+ screen sizes. LINK  
Tech Stack: HTML, CSS

## EXPERIENCE

- **Notion Community VITB** Dec 2023 - Present  
*Leader — Media Team*
  - Led the media team for 5+ major events, including Zenith'24 and Evolve, overseeing videography and photography.Spearheaded the creation of 15+ high-impact Instagram Reels for major events, boosting overall event registration by 30% and generating over 5,000 likes and shares across all social media platforms.:

## ACHIEVEMENTS AND AWARDS

- NPTEL Certification – Blockchain and Its Applications [Proctored Exam, Elite Score, May 2025] LINK
- Shortlisted for Tem-(E)-Thon by HackerEarth as a Team Leader, leading a 3-member team.
- Certified in Python Fundamentals and AI/ML Foundations. LINK
- International Rank - 1950 and Zonal Rank -600 in 16th-SOF National Cyber Olympiad (2016-2017) LINK