

Swarup Futane

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Last Updated : 26 July, 2025
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EDUCATION

- **VELLORE INSTITUTE OF TECHNOLOGY BHOPAL** Madhya Pradesh, India
Bachelor of Technology - Computer Science [CGPA 8.6] 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, Python, C++, HTML, CSS
- **Frameworks and Libraries:** Flutter, Flask, Firestore, TensorFlow
- **Tools and IDEs:** Android Studio, VS Code, Git
- **Technologies:** CNN, REST APIs, Firebase Auth
- **Platforms:** Web, Android, Windows
- **Databases:** MySQL, Firestore

PROJECTS

- **SkillConnect – Peer Learning Platform:**
 - **Tech Stack:** Flutter, Firebase (Auth and Firestore), Dart
 - Built a peer-learning app that matches users based on tech goals (DSA, Flutter, etc.) and tracks daily learning streaks and mentor badges.
 - Engineered secure user authentication flow using Firebase Authentication, facilitating 100+ successful user logins within the first month with zero reported data breaches; authentication integrated seamlessly with existing peer-learning app.
 - Improved peer engagement by adding reminders, goal-based filters, and mentor tracking for 1-on-1 collaboration.

GitHub Repo APK Download Demo Video

- **Brain stroke detection using DL:**
 - Tech Stack: Python, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib, CNN
 - Developed a CNN model using TensorFlow and OpenCV to analyse 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

- **BMI Calculator App:**
 - Tech Stack: Flutter, Dart
 - Built a BMI calculator with gender toggle, height/weight sliders, and visual result cards using reusable widgets.

GitHub APK

- **Inventory Management System (SQL-based):**
 - Designed a MySQL schema with tables and foreign keys for efficient product, sales, and category tracking.
 - Reduced data redundancy by 60% and improved query performance by 40%.

GitHub Link

EXPERIENCE

- **Notion Community VITB**
Leader — Media Team Dec 2023 - July 2025
 - 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