# 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**  **GitHub    APK    Demo Video**
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  - **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.
  - Improved peer engagement by adding reminders, goal-based filters, and mentor tracking for 1-on-1 collaboration.

- **Brain Stroke Detection using DL**  **Project Files    Demo Video**
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  - **Tech Stack:** Python, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib, CNN
  - Developed a CNN model to analyze CT scans for early stroke detection, achieving 85% sensitivity in identifying potential stroke cases.
  - Preprocessed 2501 medical images using OpenCV and data augmentation techniques.
  - Implemented CNN-based classification for stroke detection, improving detection rates by 30% and aiding early diagnosis.

- **Pokepedia – Pokedex App**  **GitHub    APK**
  :
  - **Tech Stack:** Flutter, Dart, Firebase, cached_network_image
  - Delivered an engaging user experience with intuitive navigation, detailed Pokémon stats, and Firebase Authentication for secure login/signup.
  - Implemented offline caching using cached network image in Flutter, decreasing image loading times by 45% and improving overall app responsiveness, leading to a smoother user experience on the Pokemon app.

## 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
- Flutter Certification by Tutedude 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