

# ARPIT GUPTA

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## EDUCATION

### • **Vellore Institute of Technology**

B. Tech Computer Science & Engineering | CGPA: 8.7

(August, 2022)

## SKILLS

- **Languages:** Dart, Kotlin, Java, Python, SQL, TypeScript.

- **Tools:** Git, GitHub, Postman, FastAPI, Figma, MCP, Cursor, AWS, Oracle OCI.

- **Frameworks/Techologies:** Flutter, Android Studio, REST API, MySQL, Firebase, Supabase, VSCode.

## EXPERIENCE

### DoShare.Me

Pune, India

App Developer

(Dec, 24 – March, 2025)

- Developed a cross-platform app using Flutter with an interactive 3D Mapbox interface, boosting UI responsiveness, cutting load times by 2 seconds, and enabling 75% faster data access within a 5-meter range.

### IISPPR (App Developer)

(June, 25 – August 2025)

- Led app creation that boosted user experience by 30%, improved research content accessibility, and increased community engagement by 25% with impactful, user-friendly tools.

## PROJECTS

### SOS Emergency Response System (Android App)

(April, 2025)

- Engineered a real-time SOS application to accelerate emergency response, connecting users with responders in under 3 minutes. The system features live tracking and secure.
- Led a full-stack SOS application, improving UI task completion by 40% with Flutter and cutting dispatch delays by 60% using Google Maps API and GeoHashing.
- Flutter, Supabase, Google Maps API, GeoHashing, AES Encryption, Firebase Cloud Messaging, Git, Postman, FastAPI.

### Suno - Samjhō (Android App, AI)

(Aug, 2025 - Ongoing)

- A culturally adaptive, AI-powered mental health platform delivering real-time emotional support through voice and text interactions in 22+ Indian languages, built with a robust, privacy-first architecture.
- Architected and deployed multilingual emotion recognition models using TensorFlow and FastAPI, which boosted sentiment analysis accuracy by 35%.
- Developed a cross-platform (Android/iOS) application with Flutter to deliver these real-time insights and personalized recommendations, enhancing accessibility for non-English speakers across India.
- Flutter, Android/iOS, TensorFlow, FastAPI, Supabase, Python Libraries (Hugging Face Transformers), Git, TypeScript.

### AES Image Encryptor (Front-End, Python)

(Nov, 2024)

- Engineered an advanced image encryption platform utilizing the AES algorithm, which bolstered data protection measures and achieved a notable reduction in data breaches by 50% within the initial quarter.
- Enhanced the front-end interface of an image encryption platform, establishing a user-friendly experience that streamlined over 1,000 secure image uploads weekly while ensuring data integrity.
- Created high-performance encryption alg, optimizing data protection practices that increased processing speed by 30%.

## CO-CURRICULAR ACTIVITIES

### ACHIEVEMENTS

- Secured an official Government of India copyright for "Cool Veil," a high-tech wearable cooling jacket designed with thermoelectric modules and a rechargeable power source for all-day comfort.
- 2nd Runner-up at SGU Hackathon themed on Mental Health AI for building a culturally-aware screening platform.

### ACTIVITIES

- DSW Office Member, VIT Bhopal University – Contributed to the organization and management of events, workshops, and extra-curricular activities (ECA); served as Managing Editor for the Monthly Newsletter.
- Led strategic planning sessions within the Partnership Team at VIT Bhopal's AI Club; established relationships resulting in three new sponsorships that provided valuable resources to enhance club operations.

## ADDITIONAL

- **Hobbies-** Tech Trendy, Gaming, Cooking, Listening Music, Photography

- **Languages:** English, Hindi.