

ARPIT GUPTA

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EDUCATION

- VIT Bhopal University** (August, 2022)
B. Tech CSE(Core) | CGPA: 8.65

SKILLS

- Languages:** Dart, Kotlin, Java, Python, SQL.
- Tools:** Git, GitHub, Postman, FastAPI, Figma, MCP, Cursor, AWS, Oracle OCI.
- Frameworks/Technologies:** Flutter, Android Studio, REST API, DBMS, MySQL, Firebase, Supabase, VSCode.

EXPERIENCE

- DoShare.Me** **Pune, India**
App Developer (Dec, 2024 – 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, 2025 – 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 - Samjho (Android App, AI)** (Ongoing - 2025)
- A culturally inclusive **AI-powered mental health platform** offering **emotional support through voice and text-based interaction in 22+ Indian languages**, designed with a privacy-first approach.
 - 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.