

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, HTML, CSS, JavaScript.
- Tools:** Git, GitHub, Postman, FastAPI, MS Excel, Canva, Figma, **MCP, Cursor, AWS, Oracle OCI.**
- Frameworks/Technologies:** Flutter, Android Studio, REST API, DBMS, MySQL, Firebase, SupaBase, VSCode.
- Core Competencies:** Foundation of Algo, Data Structures Algorithms, Software Development, Operating Systems.

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)

- Led the complete **Flutter frontend development** across Android and iOS, streamlining SOS reporting with a UI that improved user task completion time by **40%**.
- Integrated **backend systems and APIs to support real-time geolocation** syncing and SupaBase data operations; optimized responder routing via Google Maps API and GeoHashing, cutting dispatch delays by **up to 60%**.
- Implemented **AES encryption** for secure image transmission and configured **SupaBase** for real-time data syncing, achieving **100% role-based access isolation** and improving system security and data integrity.

Suno - Samjho (Android App, AI)

(Ongoing - 2025)

- Developed a culturally-aware mental health screening app using **Flutter and Supabase**, accessible to **92% of Android and iOS users**, enabling voice/text-based emotional assessment in 22+ Indian languages with a privacy-first design.
- Processed **audio recording, multilingual input handling, and voice emotion analysis** via custom APIs built on FastAPI and TensorFlow, enhancing accessibility in low-resource rural areas.
- Designed a real-time, ethical crisis-response module integrated with clinical models for **early detection, risk scoring, and smart escalation** to human therapists—aimed at bridging the mental health gap for over 100M underserved users.

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.