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,
- **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 – Jan, 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.
- Implemented Flutter's **flutter_screenutil** and **responsive_builder** libraries, **decreasing average app interaction time by 15%** and boosting user engagement across a diverse range of mobile devices.

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%** and ensured seamless **cross-platform responsiveness**.
- 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)*

- **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 and safety throughout the process.
- **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.
- **Created high-performance** encryption algorithms, optimizing data protection practices that increased processing speed by 30%; ensured compatibility with existing systems while collaborating directly with the front-end development team.

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.