Aryan Gupta
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Education

• B. Tech. 4th year | Vellore Institute of Technology	August 2021-August 2025
• Intermediate | FIITJEE Junior College,Kukatpally	April 2020-March 2021
• Matriculate | DLF Public School,Ghaziabad	April 2018-March 2019

Internships

Flutter Development Intern | Persist Ventures Pvt. Ltd   May 2024- July 2024

• Spearheaded the development of a robust Flutter app from the ground up, delivering a seamless user experience for over 15,000 users across diverse devices.

• Integrated Django-based backend APIs, ensuring smooth communication between frontend and backend services, reducing data latency by 30% and improving app responsiveness.

• Collaborated with cross-functional teams on backend integration, design reviews, and iterative improvements in an agile environment, resulting in a 25% reduction in project delivery time.

• Hired a UI/UX designer and collaborated in design reviews, establishing design guidelines that improved inclusivity and user experience, contributing to a 40% increase in user satisfaction ratings.

• Implemented pixel-perfect designs from wireframes, ensuring high-quality code and optimal performance across various devices.

Projects

- **Mental Health and Welfare App.**
  - Created a Flutter-based mental health and welfare app for campus-wide use, reaching over 5,000 users on diverse devices.
  - Implemented a secure, real-time monitoring system using RESTful APIs, reducing response times to mental health alerts by 40%.
  - Integrated advanced AI models to detect signs of distress, increasing early intervention rates by 30% and fostering a supportive campus environment.
- **Gaia's Touch.**
  - Engineered a Flutter app connecting NGOs with users, engaging over 10,000 potential users across various devices.
  - Integrated SDG-based filtering, location-based NGO display, and in-app donations via Google Pay, increasing donation transactions by 50%.
  - Added a community leaderboard and implemented AI chatbots, driving a 70% increase in user engagement and a 60% increase in user interaction.
- **SheSafe.**
  - Engineered an advanced campus safety app using Flutter and Firebase, enhancing safety for over 5,000 users on diverse devices.
  - Integrated secure gender verification via Aadhaar API, ensuring that 100% of registered users are female.
  - Developed an AI-powered chatbot and an IoT wearable device for real-time alerts, improving emergency response accuracy by 40%.
  - Designed an AI model for CCTV integration, cutting response times to critical situations by 50%.
- **Neighborgood.**
  - Spearheaded the implementation of a Flutter-based community engagement platform for Android and iOS, incorporating user registration, user matching, and personalized postcards.
  - Integrated Stripe for secure payment processing and optimized app performance, resulting in a 35% increase in user retention within the first quarter.
  - Ensured responsive design and high-quality code implementation across diverse devices, engaging over 10,000 users.
- **Voice-Controlled Car with Google Assistant and Raspberry Pi.**
  - Constructed a voice-controlled car using Google Assistant, Raspberry Pi, IFTTT, and Adafruit services, achieving 90% accuracy in voice command execution.
  - Deployed a system where voice commands control the car's movement, reducing manual control time by 70%.
  - Led and collaborated with the team to integrate hardware and software components, increasing system reliability by 80%.

Awards / Academic Achievements

- **Winner, Smart India Hackathon 2023:** Facilitated as an app developer, Secured the top position at the national level for problem statement women safety in college campuses under the government of Jharkhand.
- **Semi-Finalist, Amdocs Talent Tank:** Advanced to the top 10% of participants and awarded Rs.50K in prize money, demonstrating exceptional talent and expertise in a competitive environment.
- **Special Mentions, Google Hackathon:** Presented a unique technological solution in the Google Hackathon, recognized for creativity and significant contributions; designed a web-based tool that increased accessibility of sustainability resources for over 1,200 participants.

Skills

- **Computer languages:** Java , Dart, Python
- **Packages & Technologies:** Flutter, Firebase, Git, RESTful APIs, MERN Stack.
- **Additional Skills:** Mobile app development, User interface design, Wireframing, Performance optimization, Quality assurance, Agile methodologies, Continuous learning, Self-starter, Linux.
- **Design Tools:** Adobe After Effects, Adobe Photoshop, Adobe Lightroom, Figma, Blender 3D

Certificates and Licenses

- MERN Stack by Ethnus| Link
- AWS Certified Cloud Practitioner| Link
- Google Foundations of User Experience (UX) Design | Link