# Shubhi Katiyar

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## EDUCATION

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| **VIT Bhopal University** | Bhopal, Madhya Pradesh |
| B.Tech in Computer Science and Engineering | **October 2022 – ongoing** |
| Cumulative GPA: **8.65** | |

## TECHNICAL SKILLS

- **Mobile App Development Frameworks**   Flutter , Flutter-Flow
- **Backend**   Firebase (Fire store, Realtime Database, Authentication)
- **Coding Languages**   C++ ,  Dart

## PROJECTS

**Unit Converter | Backend Integration**                    **May 2023 – June 2023**

- Developed a versatile Unit Conversion Application using Dart and the Flutter framework in Android Studio, providing a cross-platform solution for students.
- Engineered a user-centric mobile UI with an intuitive design, leveraging Flutter's widgets and layout principles to support diverse conversion categories.
- Implemented a comprehensive, internally managed conversion dataset to power accurate calculations, significantly enhancing user convenience and application performance.

**IoT Powered Farm Tech | Automation – Proteus , DHT11 , MQ**        **December 2024 – March 2025**

- Developed an IoT-enabled Smart Irrigation System utilizing Arduino Uno, ESP8266, and diverse environmental sensors (soil moisture, DHT11, MQ) to automate precise crop watering.
- Implemented real-time data-driven control via an L293D motor driver and water pump, enabling remote monitoring and intelligent automation of irrigation.
- Collaborated on integrating ESP32-CAM with Deep Learning models for automated plant disease detection, significantly enhancing the overall precision agriculture solution.

**Col-Con (Collaborative App) | Full Stack – Dart , Firebase , WebRTC**        **April 2025 - Ongoing**

- Developing a cross-platform, real-time collaboration application utilizing Flutter for responsive UI and WebRTC to enable group voice calls.
- Integrating diverse collaborative tools including an interactive whiteboard, shared notes, flowcharts, and mind maps, powered by Firebase for seamless real-time data synchronization.
- Designing for enhanced productivity and teamwork through intuitive multi-user interaction.

## CO – CURRICULAR ACTIVITIES

- **Technical Achievement :** Secured an All India Rank of 879 in Code Combat 3.0 by Coding Ninjas, demonstrating strong problem-solving and algorithmic skills.
- **Hackathon Participation :** Successfully completed Flipkart Grid 5.0, showcasing innovative thinking and proficiency in tackling real-world technical challenges.
- **Problem-Solving :** Completed 190+ questions on Geeks for Geeks which includes 17 Basic , 64 Easy , 100 Medium and 16 Hard questions .

## EXTRACURRICULAR

- Engaged dynamically as an integral member of the Android Club Community for a year, actively participating in and contributing to technical events and webinars .
- Demonstrated outstanding dance prowess on the university stage, securing 2nd position .