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# Adarsh Mishra
### Digital Portfolio

## EDUCATION

- **Bachelor of Technology in Computer Science and Engineering** *(2020-24)*
  *NIIT University Rajasthan* — cgpa-6.1

- **Higher Secondary(12th)** *(2019)*
  *Sri Chaitanya Hyderabad*

- **SSC(10th)** *(2017)*
  *Silveroaks International school Hyderabad*

## PERSONAL PROJECTS

- **WEPOP (E-commerce App) using Googles Firebase** *Apr 2022*
  *An E-commerce app for clothing* -link

  - Developed an **Android app** using **Kotlin** and **XML** within **Android Studio.**
  - Implemented **Firebase Authentication** for user registration and login functionality.
  - Created a dynamic **RecyclerView** to showcase **50+** products across **5 categories.**
  - Created a **shopping cart system** for seamless item selection and management with an interactive dashboard upon login.
  - Technology used: **Kotlin, XML, Firebase, Firestore, Android studio**

- **R&D on Building Realtime smart weather station** *Apr 2023*
  *Worked under the supervision of **Prof. Jetendra Joshi. The research paper has been submitted for publishing.***

  - **Building smart weather and soil management systems** for precision agriculture in smart cities.
  - Developed a prototype, with the help of two sensors namely Rain Gauge Sensor and Cup Anemometer organically for measuring rainfall and wind speed.
  - Displayed Result data on Firebase using **Firebase Realtime Database** and **Google API** for sensor data visualization in an Android app using Kotlin.
  - Technology used: **real-time data, Firebase, Kotlin, Google API for longitude & latitude and data visualization.**

- **SkyCast** *Jun 2023*
  *Weather App with **MVVM** using **OpenWeather API***

  - Developed a Weather App utilizing the **MVVM architectural** pattern and **Kotlin.**
  - Integrated the **OpenWeather API** to fetch real-time weather data based on location.
  - Implemented a user-friendly interface that displays detailed weather information and 7-day forecasts.
  - Enhanced app responsiveness and code maintainability through the utilization of MVVM design pattern.
  - Utilized **Retrofit API** to efficiently handle and parse API responses.
  - Technologies employed: **Kotlin, XML, MVVM Architecture, and Retrofit API**

## EXPERIENCE

- **LYFT Mobile Developer Virtual Experience Program** *May - Aug 2023*
  *Virtual Intern* -link

  - Creating a way for users to send verified payments. For this, we utilize Kotlin to put our UI skills to work for all our Android users.
  - The input fields we created are:
    The card owner's name
    Card number and CVV

## TECHNICAL SKILLS AND INTERESTS

**Languages:**C++, Python, Kotlin, XML, Linux
**API Declaration** : Retrofit, Restful API

**Tools**: VScode, Git, Github, Android Studio
**Databases:**Firebase & Firestore , SQL, NOSQL
**Relevent Coursework**: Data Structures & Algorithms, Object Oriented Programming, Database Management System, Software Engineering
**Areas of Interest**: Android Development, Cyber Security
**Soft Skills**: Communication, Self-learning, Presentation, Adaptability