

# AMAN DHAKAR

+918690628702 ♦ Hyderabad, Telangana

[amandhaker191@gmail.com](mailto:amandhaker191@gmail.com) ♦ [linkedin.com/in/aman-dhakar-275467238](https://www.linkedin.com/in/aman-dhakar-275467238) ♦ <https://github.com/AMANDHAKAR191>

## Career Summary

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A fourth-year software engineering student. I'm proficient in Android Application Development and build various apps where I implemented API **integration** (Chat GPT API), **Firebase** Google Authentication, Firebase Cloud Messaging, Firebase Webhosting, Firebase Cloud function, Payment Integration, **FIGMA**, **Jetpack compose**, room database, SQLite database, **integrating Machine Learning model in Android apps**. Also, I'm always eager to learn new things and stay up-to-date on the latest trends in Android development.

## EXPERIENCE

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### Android Internship from Corizo

2023

Team Lead

*Amravati, Andhra Pradesh*

- Built a shopping app that uses integration with REST API to get Product lists.
- Implemented Firebase Google authentication.
- Payment integration through UPI.
- Used JAVA & XML to build fluid UI.

### Android Externship from Smartinternz

2023

Team Lead

*Amaravati, Andhra Pradesh*

- Built Expense manager app
- Implemented Firebase Google authentication.
- Implemented expense analysis.
- UPI Payment integration using QR Code scanning.
- Used Jetpack compose for UI designing.

### Design Team Co-Lead

Jun 2023 - Feb 2023

Harmony OS,VIT-AP

*Amravati, Andhra Pradesh*

- Co-Lead in software architecture design team.

### Peer Mentor

Jun 2023 - Feb 2023

Peer Mentoring Community, VIT-AP

*Amravati, Andhra Pradesh*

- Provided guidance and support to mentees in areas such as academic subjects, personal development, and career planning.

## EDUCATION

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**Bachelor of Computer Science**, VIT-AP University

Expected 2024

Relevant Coursework: Software Engineering, Java, DSA, Kotlin, Android Development, UX Design, and Database management.

## SKILLS

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<b>Technical Skills</b>	Java, Kotlin, Python, UI Design, Database management
<b>Soft Skills</b>	Problem-Solving Skills, Resilience, Empathy and User Focus, Continuous Learning
<b>Platforms</b>	Android Studio, Figma, Firebase

## PROJECTS

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**Keys Password Manager.** I spearheaded the development of a comprehensive digital login credentials management tool, leveraging Jetpack Compose and Kotlin for an intuitive user interface, and Firebase for secure backend operations. This tool employs the Advanced Encryption Standard (AES) to ensure the highest level of data security. I implemented multiple layers of security, including authenticated user-only access and stringent data segregation protocols. All user data is encrypted before being transmitted to the database. Additionally, the tool features biometric authentication and Firebase Google authentication for enhanced login security. Key features include saving and generating strong, secure passwords, and a chat option for safe password sharing. The tool is designed to provide users with a secure, efficient, and easily accessible system, even under high traffic conditions. My work culminated in the publication of a research paper on encryption in password management and is currently in the process of patent application. The tool is now in the open testing phase on the Play Store and will soon be available to the public

**Expense Manager** As part of an externship with Smart-Intern, I developed an 'Expense Manager' Android application using Jetpack Compose and Kotlin. This app is designed to assist users in managing their daily expenses efficiently. I integrated Firebase for robust backend services, including Firebase Google Authentication, ensuring secure and easy user access. Additionally, I utilized the Room database for efficient local data storage and retrieval. This project not only honed my skills in modern Android development but also demonstrated my ability to create user-centric, secure, and responsive applications.

**Talkmate** I developed an innovative chat application integrating OpenAI's ChatGPT for the Android platform, utilizing Java and the ChatGPT API. This project entailed creating a text-based conversational app specifically designed for Android users, leveraging the advanced capabilities of ChatGPT to provide a seamless and engaging user experience. Through this application, users can interact with AI in a fluid, natural manner, making it an ideal tool for various practical and recreational uses. The project showcases my ability to integrate cutting-edge AI technology into mobile applications, demonstrating my skills in Java programming, API integration, and developing user-centric solutions for the Android ecosystem.

**Shopping Application** During my internship, I developed an innovative product purchasing application using Java, XML, and Firebase, including Firebase Google Authentication. This project was designed to streamline the online shopping experience, enabling users to effortlessly purchase products through a secure and user-friendly platform. My role involved not only the technical development but also ensuring a seamless integration of backend services with frontend interfaces. The use of Firebase and its authentication system provided robust security and a smooth login experience. This project highlights my ability to develop comprehensive e-commerce solutions and my proficiency in creating applications that cater to real-world user needs.

## CERTIFICATES

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- [Android Internship from Corizo](#)
- [The Joy Of Computing Using Python](#)
- [Android Internship from Bharat intern](#)
- Android development externship from smartinternz

## LANGUAGES KNOWN

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- English
- Hindi