

AYUSH KUMAR DOKANIA

SOFTWARE DEVELOPER

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Professional Experience

ConveGenius.AI | *Kotlin*

Jan 2024 - Present

Software Developer

Noida

- Collaborating with the **Android Team** on the **ShiftChat** and **Pal Fusion** projects, utilizing **MVVM** architecture.
- Developed a **ShiftChat mini-app** for teachers to evaluate performance and process **100+ OMR answer sheets**.
- Created a **Unity-based 3D learning project**, providing a gamified study experience with interactive, labeled models.
- Integrated **Google Firebase Analytics** and **Crashlytics** for real-time app performance monitoring.
- Worked on **Pal Fusion** from scratch, independently developing 40+ screens and features.

RobozX | *Flutter*

Oct 2021 – Nov 2021

App Developer Intern

Delhi

- Engineered an app for doctors to manage patient history and auto-update bite pressure, serving 50+ doctors.
- Implemented features for tracking bite pressure and prescribing medicines, improving workflow efficiency by 50%.
- Led a cross-functional team of 7 as **Scrum Master**, ensuring timely sprint delivery and cross-team collaboration
- Utilized **SQFLite** for local data storage to ensure efficient offline access.

Projects

eFermat Website | *HTML, CSS, JavaScript* [Link](#)

Jan 2021 - Feb 2021

- Built a website for users to access educational 1000+ articles and research papers.
- Linked the **Archive** website to enable PDF uploads and downloads.
- Added a **Multimedia** section to display **YouTube videos** related to article topics.

Deepfake Detection | *Python*

Apr 2021 – Aug 2021

- Co-authored a research paper titled “Eyes Say It All: Deep Fake Detection Method Analysis Using Different Metrics” (Published by SpringerLink). [Paper Link](#)
- Designed a **Python-based deepfake detection method** using **eye reflection** as a feature.
- Analyzed the effectiveness of using **eye reflection** for detecting deepfakes in terms of different metrics such as **SSIM**, **MSE**, **IoU**. Achieved accuracy of **90%** based on **SSIM**

E-Mandi - C++ Standalone Application (MINI PROJECT) | *C++*

Jun 2022 – Jul 2022

- Executed as part of the **Database Management Systems** course.
- Established a system connecting 4 user roles (farmers, retailers, wholesalers, customers) to ensure fair transactions.
- Applied **Object-Oriented Programming (OOP)** principles, including the use of **classes**, **subclasses**, and **inheritance** for a modular, low-level design.
- Reduced search time for nearby retailers by 50% via optimized algorithms.

Technical Skills

Programming Languages: C, C++, Kotlin, Python, JavaScript (basic)

Libraries/Frameworks: Android (MVVM), Flutter, Retrofit, ReactJs, TailwindCSS, HTML5, CSS, Unity

Tools/Platforms: Operating Systems, Firebase, Git, Github, MATLAB, Room DB, OkHttp

Databases: MySQL, SQLite (SQFLite), DBMS

Concepts: OOPs, Data Structures Algorithms, SDLC, CI/CD

Strength: Fast Learner, Team Player, Logical and Analytical Skill, Problem solving, Time management

Education

National Institute of Technology, Delhi

Dec 2020 – Jun 2024

Bachelor of Technology in Electronics and Communication Engineering

Delhi

ACCOMPLISHMENTS

- Solved **1000+** coding problems across various platforms. — [Profile](#)
- Achieved **Top 10** rank among **650+** teams in **ENCODE**, IIT Guwahati
- Secured **Global Rank: 368** and **Region Rank: 164** in the **Meta Global Hackathon 2022**
- **Captain** of the Table Tennis Team, represented NIT Delhi at the **Inter-NIT Sports Tournament**
- Scored **99.08 percentile** in **JEE Mains** entrance exam

Position of Responsibility

- **Executive Member** of Sports Club, NIT Delhi
- **Head of the Technical Team** for the **Unnat Bharat Abhiyan (UBA)** Cell, NIT Delhi