

# MIHIR JAIN

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## Education

### Panipat Institute of Engineering and Technology (KUK)

Bachelor of Technology in Computer Science and Engineering

Aug. 2022 – Jun 2025

Panipat, Haryana

## Relevant Coursework

- Data Structures
- Computer Networks

- Operating System
- Database Management

- Object Oriented
- Compose Multiplatform

## Experience

### Bharat Electronics Limited

Trainee Engineer - 1 — Radar SBU

Oct 2025 – Present

Ghaziabad, Uttar Pradesh

- Working in Radar SBU on Air Traffic Control (ATC) Surveillance and Display Systems used at civil airports and defence operational sites.
- Gaining hands-on exposure to radar surveillance systems including ATC display subsystems integrated with SRE/ATC radars and Involved in ATC display setup and configuration activities such as digital map generation, runway alignment, and airspace visualization.
- Assisting senior engineers during installation, integration, configuration, and commissioning of radar-based ATC display systems and Supporting system testing, verification, and initial troubleshooting to ensure reliable performance of mission-critical ATC systems.
- Exposure to system integration concepts involving radar sensors, ATC display systems, and controller workstations and Developing understanding of real-time and safety-critical system behavior in aviation and defence environments.
- Working within structured product assurance, quality validation, and documentation processes for safety-critical aviation systems.

### Home Credit India

Aug 2025 – Oct 2025

Gurugram, Haryana

Intern

- Explored and understood **Android development fundamentals** before diving into advanced frameworks.
- Created a **Compose Multiplatform clone** of an existing company Android app, extending support for both **Android and iOS platforms**.
- Gained hands-on experience with **modern Android architecture, state management, and multiplatform development workflows**.
- Explored and implemented Jetpack Compose Multiplatform (CMP) to build cross-platform applications for **Android, iOS, Desktop, and Web**, using **shared UI with Jetpack Compose and shared logic in Kotlin** for a unified codebase.

## Projects

### BlogVerse | Tailwind CSS, React.js, Node.js, Express.js, MongoDB, Google Gemini API, ImageKit, JWT

2025

- Expanded a full-stack blogging platform using the MERN stack, integrating the Google Gemini API to generate blog content based on user prompts dynamically.
- Enforced React Context API and JWT for secure, token-based session management and role-based access control for admin features.
- Engineered RESTful APIs using Express.js for managing blogs, comments, and admin authentication.

### Google Docs Clone | Next.js, Tailwind CSS, Convex, Clerk, Live blocks, TypeScript

2024

- Created a real-time collaborative document editing application inspired by Google Docs, enabling simultaneous multi-user editing and document syncing..
- Incorporated Live blocks for presence awareness, live cursor tracking, and a real-time collaborative editing experience.
- Executed secure user authentication and session management using Clerk, with support for sign-up/sign-in and protected routing.
- Designed the UI using Tailwind CSS and developed all components using TypeScript for type safety and scalability

## Technical Skills

**Languages:** C++, Java, Kotlin

**Soft Skills:** Team Collaboration, Time Management, Problem-Solving

**Front End:** HTML, CSS, JavaScript, React.js, Jetpack Compose

**Back End:** Node.js, Express.js

**Database:** MySQL, MongoDB, SQLDelight

**Developer Tools:** VS Code, GitHub, Android Studio

**Technologies/Frameworks:** Tailwind CSS, Bootstrap, Redux, Context API, KTOR, Koin, Compose Multiplatform