

MANOJ KUMAR PRADHAN

+91 7999696305 | manojkpr92806@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Technical Skills

- **Languages:** C, C++, Java, Python, Kotlin
- **Frameworks:** Android, Jetpack Compose, Extensive Markup Language (XML), Firebase (Firestore Database, Authentication, Storage, Realtime Database, Cloud Messaging, Firebase Machine Learning Kit)
- **Concepts:** Data Structures & Algorithms, Software Design, Mobile Development (Android), Machine Learning, Problem Solving, Unix/Linux, Object-Oriented Programming (OOPs), Model-View-ViewModel (MVVM), MySQL, Operating Systems, Computer Networks
- **Developer Tools:** Git, GitHub, Postman, Heroku, Android Studio, Google Cloud Platform, Docker, Visual Studio Code, AWS, Azure

Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science & Technology | CGPA: 8.70

Bhopal
Sep 2022 – May 2026 (Expected)

Kendriya Vidyalaya Sangathan Bhopal

SSC + HSC (PCM with IP)

April 2010 – July 2022

Projects

MindSync | Python, Django REST Framework, Kotlin, Azure | [GitHub Link](#)

April 2024

- Built an ADHD detection model with **TensorFlow** and **Keras**, achieving **85%** accuracy.
- Integrated a model into Django REST API, deployed on Azure, and linked it to an Android app, reducing response time by **30%**.
- **Optimized** ADHD detection on mobile, reducing false positives by **25%** and increasing speed by **15%**.

NoteGem | Kotlin, Jetpack Compose, Room Database | [GitHub Link](#)

April 2024

- Created a notes app with Kotlin and Jetpack Compose for easy addition of notes, tasks, and calendar activities.
- Implemented ROOM database for offline data persistence, **reducing** retrieval time by **40%**.
- Introduced advanced export options for user data, which optimised user experience and drove a **25%** boost in user engagement within the first quarter.

DevDive | Kotlin, Jetpack Compose, Dagger Hilt, Room Database | [GitHub Link](#)

June 2024

- Developed a **Stack Overflow** browsing app, **improving** performance and maintainability by **30%** using Kotlin Coroutines and Dagger Hilt.
- Enhanced **user engagement** and data reliability by **25%** with a Jetpack Compose UI and Room for local persistence.
- **Boosted** user satisfaction and interaction by **40%** through markdown rendering and advanced search features for Stack Exchange sites.

Growigh | Kotlin, Retrofit2, Picasso, XML | [GitHub Link](#)

July 2023

- Orchestrated development of a News App using GSON converter for efficient JSON parsing and leveraged Picasso for optimized image loading, achieving **15% decrease** in app loading time.
- **Fortified** real-time data retrieval from News API, resulting in **40%** increase in overall app satisfaction.

Awards & Achievements

1. **Microsoft Imagine Cup:** Qualified round 1 of Microsoft Imagine Cup 2024.
2. **Code Garuda:** Secured a position among the **Top 15** participants in Code Garuda 2022, a university-level coding contest organized by **Microsoft Technical Club**.
3. **AWS DeepRacer Student League:** Pre-qualified for Amazon AWS AI & ML scholarship for Nanodegree program in AI Programming with Python by building and racing an autonomous vehicle in a 3D simulated environment.

Positions Of Responsibility

Android Developer

Jan 2024 – Current

Google Developer Student Club, VITB

- Led Android projects in the Google Developer Student Club, using Kotlin to boost user engagement by **20%**.
- Curated an engaging workshop experience, uniting Android developers to exchange best practices, collaborated on projects, and contributed to a 10% growth in team productivity and skill development.

Technical Team Lead

Jan 2024 – Current

Freelancing Club, VITB

- Directed the rapid **1-month** development of Freelancing Club's mobile app, **boosting** member connectivity by **30%**.
- Improved app performance by **40%** with thorough Android testing, aligning with Freelancing Club objectives.

Relevant Coursework

- **The Bits and Bytes of Computer Networking** by Google Certification
- **Kotlin for Android: Basic to Advance** by Devslopes Certification
- **Scientific Computing with Python** by freeCodeCamp Certification
- **Android Studio Essential Training 2020** by LinkedIn Learning