ARWAZ KHAN

+91 7240974211 · arwazkhan189@gmail.com · Website · LinkedIn · GitHub · Bilaspur (C.G.), India

EDUCATION

M.Tech in Computer Science and Engineering   Aug 2024 - May 2026
National Institute of Technology Delhi   **CGPA: 9.03/10.0**

B.Tech in Computer Science and Engineering   Jul 2019 - Jun 2023
Government Engineering College, Bilaspur (C.G.)   **CGPA: 9.14/10.0**

PROJECTS

Unified-Query-Interface (*Tech Stack: SQL, NoSQL, API Development, Python, JavaScript***) -** GitHub
- Built a middleware that translates high-level queries into database-specific commands, enabling seamless querying across multiple heterogeneous databases. Optimized query execution, improving data management efficiency by 40% and ensuring a consistent user experience across different database systems.

DataShield – Data Anonymization Platform (*Python, Flask, Numpy, GA, GPU Acceleration*) **-** GitHub
- Built a web tool using (k, m, t)-anonymity for privacy-preserving data publishing. Used Genetic Algorithm and GPU to anonymize 500k records in <13s. Enabled CSV upload, privacy config, and t-closeness with KL-divergence.

DeskPet-AI – Autonomous Desk Robot (*Arduino, NodeMCU, ESP32-CAM, OLED, Python, C, Edge Impulse*) - GitHub
- Designed an AI robot for object detection, and pickup. Integrated Wi-Fi control, OLED expressions, sound, touch-responsive behavior, and edge detection.

HealthIQ - Web App (*HTML, CSS, JavaScript, NodeJs, Firebase, IoT*) - GitHub   Live
- Built an IoT & ML-based system for detecting food spoilage and generating personalized health recommendations. Improved food safety accuracy by 85% through predictive analysis.

EdRoom - Smart Education Companion App (*Tech Stack: Kotlin, XML, Firebase*) - GitHub   Live
- Developed a digital classroom solution used by 80+ students, integrating real-time attendance, doubt resolution, and study material sharing. Reduced paperwork by 100%, and improved class engagement by 50% via instant notifications and synchronized data flow using Firebase Realtime Database.

AskDesk AI - On-Screen Question Answering Assistant (*Tech Stack: Python, OCR, Gemini AI, Flask*) - GitHub
- Built a smart desktop assistant that detects on-screen code/MCQ questions using OCR and displays AI-generated answers via Flask, supporting live Q&A and auto-copying to clipboard.

AnandKaraj - Punjabi Matrimonial Platform (*Tech Stack: HTML, JavaScript, Appscript, google-sheets*) - GitHub   Live
- Designed a community-focused matrimonial platform for Punjabi families with biodata forms, photo uploads, and Google Sheets integration for simple and respectful matchmaking.

INTERNSHIPS

ABGEC - Website (*Tech Stack: HTML, CSS, Bootstrap, JavaScript, AppScript, PageClip*) - GitHub https://abgec.in
- Designed and built a centralized alumni networking portal, now hosting 200+ registered alumni.
- Led a 10-member development team, collaborated with core stakeholders, improved website load speed by 30% using lazy loading, and optimized frontend and backend.

TRPWS - Website (*Tech Stack: HTML, CSS, Bootstrap, JavaScript*) - GitHub
- Enhanced front-end UI, managed repository, and collaborated to improve design efficiency.

TECHNICAL SKILLS

Programming:	C, C++, Python, Kotlin, JavaScript
Android Development:	Kotlin, XML, MVVM, Jetpack, SQLite, Firebase
Web Development:	HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js, Flask, jQuery, Appscript
AI/ML & Data Science:	Scikit-learn, NumPy, Pandas, OpenCV, Edge Impulse, NLP
Databases:	MySQL, Firebase, MongoDB
Tools & Framework:	Git, Postman, Figma, Android Studio
Others:	Data Structures & Algorithms, IoT, XML/JSON, REST APIs

SOFT SKILLS: Time Management, Teamwork, Problem Solving, Leadership, Analytical Thinking, Adaptability, Communication

ADDITIONAL INFORMATIONS

- Published a **Research Paper** on "**AN ANDROID BASED FOOD AND RESIDENTIAL SERVICE PROVIDING SYSTEM**" in 2022 International Journal of Innovative Research in Computer and Communication Engineering. **Certificate Link:** Click here
- **Certificates:** Full Stack Development (EICT IIT Kanpur), Android Development (Jetpack Compose), More Certificates
- **Responsibilities:** T&P CSIT Sector Head and Coordinator @ NIT Delhi, Technical Lead @ GDSC GECB (2021-22)
- **Achievements:** Gate Qualified (2023, 2024**),** 5 Star Badge @ HackerRank, 3 Star @ Codechef