Md. Amir Ul Islam

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PROFILE STATEMENT

Dynamic Android Developer with expertise in Kotlin, Java, and Jetpack Compose. Skilled in building high-performance apps, integrating backend services, and optimizing user experiences. Proficient in Firebase, MongoDB, and AI-powered features. Passionate about scalable solutions, Linux-based development, and efficient workflows with Git and CLI tools.

TECHNICAL SKILLS

- **Programming Languages:** Kotlin, Java, Python, C
- **Mobile Development:** Android Development, Jetpack Compose, Firebase, Retrofit, Room, RealmDB
- **AI & ML Tools:** Ultralytics, YOLO, LiteRT
- **Databases:** MongoDB, MySQL
- **Web Frameworks & Technologies:** MERN Stack, Django, Bootstrap, JavaScript
- **Operating Systems & Development Environments:** Arch Linux, CLI
- **Version Control & Collaboration:** Git, GitHub
- **IDEs & Tools:** Android Studio, VS Code, IntelliJ IDEA, Jupyter
- **Other Expertise:** REST API Development, PyQT5
- **Design Tools:** GIMP, Photoshop

EDUCATION

BRAC University   Oct '21 – May '25
Bachelor of Science in Computer Science, CGPA: 3.5   *Merul Badda, Dhaka*

Birshreshtha Noor Mohammad Public College   2020
Higher Secondary Certificate (HSC), GPA: 5.00   *Peelkhana, Dhaka*

Ideal School and College   2018
Secondary School Certificate (SSC), GPA: 5.00   *Motijheel, Dhaka*

PROJECTS

BUCC Official Mobile App | *Kotlin, Jetpack Compose, Retrofit, Realm, FCM, Dagger-Hilt*
- Replaced scattered Messenger groups with a centralized platform, improving task management and internal communication.
- Implemented a role-based contact directory, blog browsing, task management and various other features for improving club collaboration and engagement.

BracuSocial | *Kotlin, Jetpack Compose, Realm, Firebase, Dagger-Hilt*
- Developed an offline class schedule planner, allowing users to plan several routines beforehand on the go.
- Enabled students to view friends' schedules, reducing daily inquiries and improving time management along with finding empty classrooms and labs making campus resource utilization more efficient.

WallpaperWizard | *Kotlin, Jetpack Compose, Realm*
- Eliminated the tedious process of manually changing wallpapers by enabling one-click application of preselected sets.
- Implemented scheduled wallpaper changes with automatic reversion to previous settings.

POTholeAI | *Kotlin, Jetpack Compose, LiteRT, YOLOv8*
- Developed a frontend mobile app for pothole detection using the YOLOv8n model.
- Integrated real-time object detection for road hazard identification.

EXTRACURRICULAR

BRAC University Computer Club   Mar '24 – Dec '24
Assistant Director of Research & Development   *Merul Badda, Dhaka*
- Led a team to overhaul the club's recruitment system, transitioning it to a fully digital platform.
- Collaborated with faculty and technical teams to integrate advanced technology into club operations.