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PROFILE STATEMENT

An ambitious computer science graduate actively seeks internship opportunities in Backend Development, Mobile App Development, or Software Quality Assurance. Experienced in building Android apps, back-end systems, and testing workflows through academic and personal projects. Adaptable across tech stacks with a strong foundation in clean code, debugging, and software reliability.

TECHNICAL SKILLS

- **Testing & QA Tools:** Manual Testing, UI Testing, JMeter, Postman, Selenium (Basic)
- **Programming Languages:** Kotlin, Java, Python, C
- **Mobile Development:** Jetpack Compose, Flutter, Firebase, Retrofit, Room, RealmDB
- **AI & ML Tools:** Ultralytics, YOLO, LiteRT
- **Databases:** MongoDB, MySQL
- **Web Frameworks & Technologies:** MERN Stack, Django, Spring Boot
- **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

Bachelor of Science in Computer Science, CGPA: 3.52

Oct '21 – May '25

Dhaka, Bangladesh

- Practiced Agile and Scrum to support collaborative development and QA workflows.
- Studied backend architectures and design patterns for scalable system design.
- Applied MVVM and clean coding in Android development with Jetpack Compose.

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.

Club Management System | *MERN Stack, WebRTC, Node.js, React*

- Performed thorough manual testing of UI consistency and backend APIs, including user authentication, video calls, and email automation.
- Implemented features like video call, post management and role based permissions.

DisTest | *Java Spring Boot, JMeter, Distributed Testing*

- Simulated distributed load testing from multiple virtual machines using JMeter to analyze system performance under concurrent stress.
- Monitored and evaluated the impact of distributed testing on backend stability and response times.

EXTRACURRICULAR

BRAC University Computer Club (BUCC)

Assistant Director of Research & Development

Mar '24 – Dec '24

Dhaka, Bangladesh

- 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.