

Asir Adnan

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Summary — I build backends with Django and web frontends with React. I also build Android Apps with Kotlin.

Skills

Full Stack Web Django, DRF, ReactJS, NextJS

Android Kotlin, MVVM, Jetpack Compose

Basic Web HTML, CSS, JavaScript, TailwindCSS

Database PostgreSQL, MySQL, SQLite

Cloud AWS(EC2, S3, SES, RDS, CloudFront)

System Git, GitHub, CI/CD, Nginx, Linux

Competitive Programming

- Represented BRAC University at the ACM ICPC Asia Dhaka Regional 2023 (Top 110 finish).
- Represented BRAC University at the National Collegiate Programming Contest 2023 (Top 100 finish).
- Achieved highest ratings of 1321 on Codeforces and 1602 on CodeChef through 80+ online contests.
- Solved 2000+ problems across online judges including Codeforces(1150+), CodeChef(180+) and LeetCode(200+).

Projects

Pulse Campus

<https://pulsecampus.asiradnan.com>

- Built a comprehensive college management system using Django, hosted via Nginx on Amazon EC2.
- Designed RBAC to manage departments, classes, clubs, noticeboards and forum posts with comments.
- Deployed PostgreSQL on Amazon RDS for scalable, reliable database management and optimized query performance.
- Images and files for forum posts and notices are stored and served via Amazon S3.
- Integrated Celery with Redis to handle asynchronous email notifications via Amazon SES as background jobs.
- Set up CI/CD pipelines using GitHub Actions to automate testing and deployments.
- Achieved 98% code coverage by writing comprehensive tests targeting models, views, and asynchronous tasks.

Cross Platform Todo App (Web and Android)

<https://todo.asiradnan.com>

- Designed a cross-platform task management system (Android & Web) that managed more than 2,500 tasks
- Implemented user authentication and task management APIs using FastAPI with a lightweight SQLite database.
- Created a Next.js web frontend to support task management, profile update, and authentication flows.
- Configured notifications, theme switching (dark/light), and tabbed views for completed/incomplete tasks.
- Developed Kotlin-based Android app with an offline-first architecture; enabled seamless synchronization with the server.
- Hosted backend and frontend on a DigitalOcean VPS with Nginx.

Periodic Table (Android)

<https://play.google.com/store/apps/details?id=com.asiradnan.periodictable>

- An Android app built with Jetpack Compose featuring a list of 118 elements.
- Each element has detailed information like Kind, Atomic Mass, Group, Electronegativity.
- Supports light/dark themes, Bangla/English language selection, and search in both languages.

Digitery (Android)

- Social Media like Android app with Django backend featuring Post, Poll and Leaderboard.
- Designed feed with post containing image and video. Polls with voting mechanism. Comments, reactions and replies.
- Added leaderboard for weekly and monthly top users based on interactions.
- Implemented profile update, Google signin as well as email-password authentication system.
- Hosted the backend on VPS and Android app is currently on its way to the Play Store.

Experience

BRAC Business School

Nov 2024 – Present

Web Developer

- Built, maintained and hosted International Conference websites like <https://iccbm.bracu.ac.bd/2025>.
- Deployed a PHP-based internal portal on Hostinger with a custom domain for streamlined faculty collaboration.

Education

Bachelor of Science in Computer Science

2022 - 2025

BRAC University