

Asir Adnan

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Summary — 1 year experience with Python frameworks and hosting web apps. Published Android app on the Play Store.

Skills

Python Django, DRF, FastAPI
JavaScript NextJS, ReactJS, ExpressJS, NodeJS
Web HTML, CSS, JavaScript, TailwindCSS
Database PostgreSQL, MySQL, SQLite, MongoDB

Languages Kotlin(Android), C, C++, Python, JavaScript
Cloud AWS(EC2, S3, SES, RDS, CloudFront)
DigitalOcean, Hostinger
System Git, GitHub, CI/CD, Nginx, Linux

Competitive Programming

- Solved 2000+ problems across online judges including Codeforces (1150+), Beecrowd (400+), and LeetCode (200+).
- Achieved peak ratings of 1321 on Codeforces and 1599 on CodeChef through 85+ online contests.
- Represented BRAC University at the ACM ICPC Asia Dhaka Regional 2023 (Top 110 finish).
- Competed in NCPC 2023 (Top 100 finish) and 5+ other national-level on-site contests.

Projects

Pulse Campus

<https://pulsecampus.asiradnan.com>

- Built a comprehensive college management system using Django, deployed via Nginx on Amazon EC2
- Implemented 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

<https://todo.asiradnan.com>

- Built a cross-platform task management system (Android & Web) used to manage 2,500+ tasks
- Implemented user authentication and task management APIs using FastAPI with a lightweight SQLite backend
- Developed Kotlin-based Android app with an offline-first architecture; enabled seamless synchronization with the server
- Built a Next.js web frontend to support task management, profile update, and authentication flows
- Implemented push notifications, theme switching (dark/light), and tabbed views for completed/incomplete tasks
- Deployed backend and frontend on a DigitalOcean VPS with Nginx as a reverse proxy and static file server

Apartment Management System

<https://ams.asiradnan.com>

- Built and deployed a scalable apartment management platform using Next.js on a DigitalOcean VPS
- Implemented Role-Based Access Control (RBAC) for secure complaint handling, billing, and resident onboarding
- Developed a community forum with support for posts, comments, and media sharing for events
- Integrated automated email notifications for complaint status, billing updates, and resident approvals

Periodic Table

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

- Published Android app on Google Play featuring a searchable list of 118 chemical elements with detailed views
- Implemented Bangla and English language support to increase accessibility for regional users
- Built using MVVM architecture and Jetpack Compose with Material Design components

Experience

BRAC Business School

Nov 2024 – Present

Full-Stack Web Developer

- Led end-to-end development of public-facing web systems, including requirements gathering, testing, and deployment
- Single-handedly built the official ICCBM 2025 conference website: iccbm.bracu.ac.bd/2025
- Built a research paper submission portal using Django with email notifications; handled 150+ submissions efficiently
- Deployed a PHP-based internal portal on Hostinger with a custom domain for streamlined faculty collaboration

Education

BRAC University

2022 - 2025

Bachelor of Science in Computer Science