

# Asir Adnan

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**Summary** — Backend focused Full Stack Developer with strong proficiency in Django, Django REST Framework, React, NextJS and proven experience deploying scalable applications using CI/CD pipelines on Linux servers.

## Skills

**Backend** Django, Django Rest Framework, FastAPI  
**Frontend** ReactJS, NextJS  
**Basic Web** HTML, CSS, JavaScript, TailwindCSS

**Database** PostgreSQL, MySQL, SQLite  
**Cloud** AWS(EC2, S3, SES, RDS, CloudFront)  
**System** CI/CD, Git, GitHub, 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 (Android and Web)

<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.

### Copy Pasta

<https://copypasta.asiradnan.com>

- Developed Copy Pasta using **Django** to enable seamless text and file transfer between devices without authentication.
- Implemented a custom key-based system to securely upload, retrieve, edit and delete text or files.
- Integrated Amazon S3 and CloudFront for efficient content delivery.
- Achieved 95% code coverage through unit testing.

### Send Wish

<https://sendwish.asiradnan.com>

- An anonymous mail sending app built with **Django**, where users can send wishes without exposing their identity.
- Hosted in my VPS with Nginx and Gunicorn, using SMTP for automated mail sending.

### Chotto URL

<https://chottourl.asiradnan.com>

- Developed a full-stack URL shortener using React and **Django REST Framework**.
- Implemented click analytics and usage tracking, providing insights on user engagement through statistics.
- Deployed the app on a self-hosted VPS with Nginx, ensuring responsive design, fast redirects and secure API integration.

### QR Code Generator

<https://qr.asiradnan.com>

- Developed a customizable QR code generation tool with **Django** using the QR Code module.
- Enabled options for choosing custom background and foreground colors.
- Implemented a custom size option for the image that will match the required resolution for printing.

## Education

### BRAC University

Bachelor of Science in Computer Science

2022 - 2025

CGPA: 3.29