

# Asir Adnan

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**Summary** — I can build the backend of web apps with Django and the frontend with React. And can host the apps to go live.

## Skills

<b>Backend</b> Django, Django Rest Framework	<b>Database</b> PostgreSQL, MySQL, SQLite
<b>Frontend</b> ReactJS, NextJS	<b>Cloud</b> AWS(EC2, S3, SES, RDS, CloudFront)
<b>Basic Web</b> HTML, CSS, JavaScript, TailwindCSS	<b>System</b> 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.

**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.

**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.

## Experience

**BRAC Business School** Nov 2024 – August 2025  
*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*