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

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

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.

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.

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