

Shafin Ahad Siam

Full-Stack Web Developer & Technical Lead

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PROFESSIONAL SUMMARY

- Full-Stack Web Developer and Technical Lead specializing in Django, React.js, and PostgreSQL. Experienced in end-to-end system design, REST API architecture, VPS deployment, and secure authentication.

TECHNICAL SKILLS

Languages: Python, JavaScript, PHP

Backend: Django, Django REST Framework, Laravel, REST API Design, JWT Authentication

Frontend: React.js, Vite, Tailwind CSS, HTML5, CSS3, Electron.js

Databases: PostgreSQL, MySQL, SQLite

Tools & DevOps: Git, Docker, Postman, VS Code, PyCharm, Jupyter Notebook

Deployment & Infrastructure: VPS, Vercel, Render, Netlify, GitHub

Other: Agile Methodology, Unit Testing, OOP, Responsive Design, System Design, CI/CD basics

WORK EXPERIENCE

Technical Lead — System Design & Development

May 2026 – Present

YUM Studio (Contractual)

Dhaka, Bangladesh

- Own 100% of system architecture, database schema design, and REST API design for a live production platform.
- Executed zero-data-loss production migration to PostgreSQL, maintaining full service continuity.
- Designed and shipped a complete JWT-based authentication and custom permission-based or role-based access control system end-to-end.
- Manage and maintain the full production deployment pipeline on VPS infrastructure.

Junior Full-Stack Web Developer

Jan 2026 – May 2026

YUM Studio (Internship)

Dhaka, Bangladesh

- Developed and optimized full-stack features using Django and Django REST Framework, improving page load performance by 30%.
- Reduced front-end layout bugs by 80% by fixing responsive design and rendering issues across multiple devices and browsers.
- Implemented secure authentication, form handling, and automated email workflows, reducing manual admin tasks by 40%.
- Contributed to multiple production-level features in an agile environment, improving overall user interaction efficiency and stability.

Software Developer

Nov 2024

Prodigy InfoTech (Internship)

- Resolved 5+ Content Security Policy (CSP) issues, enabling seamless JavaScript execution within an Electron.js environment.
- Converted a web-based application into a cross-platform desktop solution (Windows/Linux), increasing user accessibility by 50%.
- Delivered the project 100% on time, improving UI responsiveness and reducing runtime errors by 30%.

RESEARCH

Deep Learning Approach for ADHD Prediction Using Brain Structure Analysis

Sep. 2022 – Sep. 2023

- Trained a CNN-based machine learning model on sMRI neuroimaging data, achieving 95% classification accuracy.
- Processed and analyzed 1,000+ medical data samples to improve model prediction reliability and generalization.
- Reduced model error rate by 20% through hyperparameter tuning and optimization techniques.

PERSONAL PROJECTS

- LMS — Learning Management System** | *DRF, React 18, SimpleJWT, PostgreSQL* Apr 2026
- Built a secure, role-based LMS supporting Admin, Instructor, and Student roles, each with dedicated interfaces and protected API routes.
 - Implemented 10+ core features including JWT authentication, course management, and enrollment management via a React SPA frontend.
- AI Chatbot** | *Django, Python, OpenRouter API, Tailwind CSS, SQLite* May 2026
- Built a Django-based AI customer support chatbot with real-time LLM responses via OpenRouter API and session-based chat history.
 - Delivered markdown rendering, typing indicator UI, and persistent SQLite-backed conversation storage.
- React Weather App** | *React.js, Axios, Tailwind CSS, Weather REST API* Apr. 2026
- Built a responsive React app delivering real-time weather data for 100+ global cities via REST API integration.
 - Reduced data fetch delay by ~30% using efficient state management and Axios request handling.
- Blog Platform** | *Django, Django REST Framework, MySQL* Jan. 2026
- Built a full-stack blog platform with CRUD operations, JWT-based authentication, and role-based authorization securing 100% of user-specific actions.
 - Optimized backend queries and template rendering, improving data retrieval performance by 30%.
- Dynamic Shopping Cart** | *HTML, CSS, JavaScript* Dec. 2025
- Built a real-time cart system with zero calculation errors and 40% faster interaction speed via automated state updates (no page reloads).
- Airbnb Homepage Clone** | *HTML, Tailwind CSS, JavaScript* Oct. 2025
- Crafted a pixel-accurate, 100% mobile-first responsive homepage with a real-time favorite toggle, improving load speed by 20%.

ACADEMIC PROJECTS

- Token-Based Hospital Service System** | *Laravel, MySQL, HTML, CSS* Sep. 2022 – Dec. 2022
- Designed a token queue system reducing patient wait-time confusion by 50% and integrated QR-code identification improving tracking accuracy by 90%.
 - Achieved 100% unit test coverage across all core functionalities.
- Complaint Management System** | *PHP, MySQL, HTML, CSS* Jan. 2022 – May 2022
- Built a system handling 100+ simulated cases with automated categorization, reducing complaint resolution time by 35%.
 - Devised a real-time status tracking system, improving transparency and accountability for end users.

EDUCATION

- BRAC University** Dhaka, Bangladesh
Bachelor of Science in Computer Science May 2019 – Sep. 2023
- BMARP College** Dhaka, Bangladesh
Higher Secondary Certificate (HSC) Aug. 2016 – May 2018
- Motijheel Ideal School and College** Dhaka, Bangladesh
Secondary School Certificate (SSC) Jan. 2014 – Mar. 2016