

# Sifat Ullah Sharkar

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## PROFESSIONAL SUMMARY

Dynamic Software Engineer with 1 year of experience in software development and cloud management. Proven track record of developing scalable applications using Node.js, React.js, MongoDB, and Express.js. Experienced in managing e-learning platforms with 99.9% uptime, serving 1,000+ monthly users.

## WORK EXPERIENCE

### Software Engineer (Backend)

Created by Cocoon *March 2025 — Present*  
London, UK (Remote)

- Developed 3+ full-stack applications using Node.js, Express.js, JavaScript
- Designed MongoDB schemas, improving query performance by 30%
- Set up Sanity CMS and GraphQL schemas in 3+ projects, cutting API response time by 25

### Software Engineer

IELTS Bangladesh *April 2024 — February 2025*  
Dhaka, Bangladesh

- Managed an e-learning platform with 99.9% uptime for 1,000+ users, resolving 95% of issues within an hour.
- Refactored 15,000+ lines of legacy PHP code across 3 platforms to improve performance and maintainability.

### Graduate Teaching Assistant

East West University *January 2024 — December 2024*

- Conducted Operating Systems lab sessions for 60+ students, and developed tutorials that increased student engagement by 35% and lowered dropout rates by 15%.

### Support Engineer (Part-time)

Speedster VPN *April 2020 — February 2021*  
Dhaka, Bangladesh

- Delivered VPN technical support, reducing tickets by 35% and boosting positive feedback by 22%.
- Led initiatives to optimize ticket resolution, cutting average close time by 10%.

## EDUCATION

### Bachelor of Science

Computer Science and Engineering  
East West University *January 2020 — December 2023*

- CGPA: 3.60/4.00
- Thesis: Blockchain-Based Land Management System

## AWARDS & PUBLICATIONS

- **Land Use Policy Journal** (Impact Factor 6.0) — Enhancing land management policy in Bangladesh: A blockchain-based framework for transparent and efficient land management (2024)
- **CSE FEST 2024** — 1st Runner-Up in Project Competition at East West University.
- **ICPC Participation** — Team selection contest (2021-2023)

## TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, C++, Solidity, SQL
- **Frontend Technologies:** React.js, HTML5, CSS3, Bootstrap, GraphQL
- **Backend Technologies:** Node.js, Express.js, Django, Flask, RESTful APIs
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Cloud & DevOps:** AWS, Microsoft Azure, Docker, Linux, Git, GitHub
- **Content Management:** Sanity CMS, Shopify

## PROJECTS

### Advancing Land Management in Bangladesh

- Implemented with React, Solidity, and Node.js to streamline land registration using blockchain technology.
- Created and implemented secure cryptographic algorithm that dramatically increased transaction security.

### BONDHU — Healthcare Management System

- Full-stack development with Python, Django, and PostgreSQL to facilitate healthcare management.

### IELTS-Reading-Mock-Test

- Built comprehensive test platform with React/TypeScript featuring real-time timer, multiple question types, and automated IELTS band scoring.

### YOLO Object Detection for Automated Kidney Stone Identification

- Optimized YOLO algorithm parameters through A/B testing, resulting in 15% increase in detection precision.

### Prophit MVP - Market Movement Detection Platform

- Built real-time monitoring system for Polymarket using Next.js, detecting 10%+ probability movements with automated alerts.

### LazyCLI – Automate your dev flow like a lazy pro Contributor

- Powerful Bash-based command-line interface simplifying development and deployment workflow from initializing projects to pushing code to GitHub.