

Md Shihab Uddin Munsi

IT & Network Support Engineer

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Professional Summary

IT and Software Development professional with practical experience in full-stack web development, software maintenance, database management, and IT support. Skilled in PHP, Laravel, JavaScript, React.js, Next.js, Node.js, Python, MySQL, and PostgreSQL. Experienced in developing business management systems, web applications, REST APIs, and managing server deployments. Also familiar with Linux, networking, system administration, and technical troubleshooting. Enjoy solving technical problems, learning new technologies, and building reliable software solutions that make everyday business operations easier and more efficient.

Work Experience

Project-Based Full-Stack Developer Project-Based

- Built and maintained full-stack web applications, business portals, admin dashboards, REST APIs, database-backed workflows, and production deployments for multiple real-world projects.
- Worked across frontend, backend, database, authentication, API integration, debugging, deployment, and post-deployment support using React/Next.js, Node/Express, Django REST, PHP, PostgreSQL/MySQL/MongoDB, and Linux tooling.

IT & Network Support Engineer — Ms Online Jun 2026 – Present

- Developed Selenium/Python automation scripts and internal software tools; verified 10K+ RMS records and reduced repetitive manual workflow bottlenecks.
- Provided technical support for Linux/Windows systems, LAN/WAN connectivity, TCP/IP, DHCP, DNS, IP addressing, GPON/EPON OLT, Basic MikroTik, CCTV, hardware, printers, and end-user issues.
- Configured/monitored network equipment and subscriber connectivity and supported day-to-day troubleshooting of internet and office infrastructure.

Game Development Intern — Battery Low Interactive Ltd Jan 2026 – May 2026

- Developed interactive 2D/3D gameplay features in Unity and C#, including physics-based controls, collision detection, object tracking, and AR/XR prototypes.

Open Source Contributor — GitHub Project-Based

- Contributed to 20+ software projects spanning web applications, automation, machine learning, APIs, and database systems using React, Node.js, Laravel, Python, and related tools.

Core Technical Skills

Frontend	React.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, React Router, responsive UI
Backend	Node.js, Express.js, Django, Django REST Framework, PHP, Laravel, REST APIs, JWT, authentication, RBAC
Database	PostgreSQL, MySQL, MongoDB, Prisma ORM, SQLite, Firebase, schema design, CRUD, relational data modeling
Security	bcrypt/bcryptjs, JWT, CORS, CSRF protection, input validation, Zod, MIME/file validation, secure credential handling
DevOps / Deployment	Linux, Ubuntu, Nginx, PM2, Git/GitHub, VPS deployment, HTTPS/SSL, production builds, environment variables
Testing / Automation	Selenium automation, API integration, functional testing, debugging, linting, production troubleshooting
Mobile / AI	Flutter, Dart, Google Maps SDK, offline storage, TensorFlow, PyTorch, Keras, scikit-learn, computer vision, OCR, Gemini API integration
Programming / DSA	Python, C, C++, C#, Java, SQL, data structures, algorithms, problem solving, competitive programming
IT Infrastructure	Windows, Linux, MikroTik, GPON/EPON OLT, TCP/IP, DHCP, DNS, LAN/WAN, IP addressing, network troubleshooting, CCTV, hardware/printer support

Education

Jul 2021 – May 2026 **B.Sc. in Computer Science & Engineering**, Green University of Bangladesh, Dhaka

Selected Projects & Applications

CityVoice — Smart Civic Reporting & Real-Time Issue Tracking *Final-Year Thesis*
Web + Mobile + AI / Final-Year Thesis. Django REST Framework, PostgreSQL, Flutter, Next.js; JWT authentication, role-based workflows, geotagged reports/media, offline drafts, community voting, status tracking, admin analytics, and AI-assisted image verification.

Prime Properties — Real Estate Platform GitHub / Live
Web / Full-Stack. Next.js/React/TypeScript application with Prisma ORM, authentication and form-validation tooling, structured property data flows, responsive UI, and production-oriented project setup. Live Website

Ms Online — ISP / Broadband Business Platform GitHub / Live
Web / Full-Stack + Deployment. Separated frontend/backend architecture, Node.js/Express backend, production process management with PM2, Nginx reverse-proxy deployment, and live ISP-facing business website. Live Website

RM Communication Ltd — ISP Business Website GitHub / Live
Web / React + TypeScript. Vite-based React/TypeScript application with structured content modules, customer-facing service pages, production/deployment documentation, and maintainable component architecture. Live Website

Bitnetworkbd Ltd — ISP Business Website GitHub / Live
Web / React + TypeScript. React 19 + TypeScript + Vite application with routed pages, reusable UI components, service-oriented sections, and business/admin-oriented workflows. Live Website

T-Club — Garment Production Record Management System GitHub
Business Software. Multi-user role-based system for stock, accessories, cutting, final garments, and total garment cost records; CRUD, search/filter, PDF reporting, secure PHP/MySQL handling with bcrypt, PDO, and CSRF protection.

Travel Booking & Guide Platform GitHub
Web Application. Travel-focused platform covering destinations, packages, user dashboard, booking/history, authentication, reviews, API integration, chatbot-oriented support, and payment workflow concepts.

Advanced License Plate Detection & Recognition GitHub
AI / Computer Vision. End-to-end object-detection and OCR pipeline with training, inference, and deployment utilities for automated license plate recognition.

Fake News Detection System GitHub
ML / NLP + API. TF-IDF and Random Forest classification pipeline with model evaluation and hyperparameter tuning, integrated into a REST API for prediction; 98.05% project evaluation accuracy.

Cache Memory Simulator GitHub
Software / Systems. Python simulator for direct-mapped, fully associative, and set-associative caches with LRU/FIFO replacement policies, hit/miss visualization, and performance comparison.

CPU vs GPU Performance Analysis with CUDA GitHub
Systems / CUDA. Benchmarked NumPy/Numba parallel execution against CUDA kernels using timing, throughput, speedup, and comparative performance analysis.

House Price Prediction GitHub
ML / Regression. Built regression models for real-estate price prediction using feature engineering, model evaluation, RMSE/R^2, and performance comparison.

Todo List Manager GitHub
Web Application. Developed a task-management application focused on CRUD workflows, responsive UI, state handling, and user-oriented productivity features.

Certifications & Training

Google IT Support	**Professional Certificate** — Coursera, Jun 2026
Full-Stack Web Development	React, Node.js, REST APIs, authentication, deployment, and end-to-end web application development
Machine Learning & Deep Learning	CNN architectures, medical-image preprocessing, TensorFlow, transfer learning, and explainable AI
Game Development & AR/XR	Unity, C#, physics-based controls, collision detection, tracking, and mobile/AR-XR prototypes
Research Methodology & Technical Writing	Research formulation, literature review, experimental design, and technical paper writing

Competitive Programming & Additional

- **Beecrowd:** Profile / suddin24 — competitive programming practice with 52+ solved problems and 90+ submissions in the current profile snapshot.
- **Core strengths:** REST API development, database design, authentication, debugging, automation, deployment, system administration, networking, teamwork, communication, self-learning, critical thinking.
- **Languages:** English — Professional working proficiency for academic and technical communication.