Md Shohanur Islam

Dhaka, Bangladesh

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Education

Begum Rokeya University, Rangpur Jan. 2019 – Nov. 2024
B. Sc. in Computer Science and Engineering | CGPA: 3.46/4.00 *Rangpur, Bangladesh*

Joypurhat Government College 2018
Higher Secondary School Certificate | GPA: 4.25/5.00 *Joypurhat, Bangladesh*

Professional Experience

Shanghai BDCOM Dec. 2025 – Feb. 2026
R & D Engineer (Trainee) *Dhaka, Bangladesh*

- Worked with C programming in embedded systems, contributing to the development and maintenance of firmware-level components for network and hardware-related systems.
- Learned low-level logic, focusing on memory management, performance optimization, and hardware–software interaction.

Singularity Limited (Runner Group) Mar. 2025 – Nov. 2025
Junior Software Engineer (Python) *Dhaka, Bangladesh*

- Develop and maintain RESTful APIs using FastAPI and Django REST Framework, ensuring reliability and scalability in a microservices architecture.
- Leverage OpenAI APIs to implement AI-powered features, enhancing user experience through intelligent content generation and task automation.
- Design efficient data models and business logic using SQLAlchemy with PostgreSQL, reducing average query response time by 30%.
- Collaborate closely with the team lead on feature analysis, performing research, evaluating solutions, and presenting findings to help guide architectural and implementation choices.
- Work with QA and frontend teams in Agile sprints to deliver production-ready features, achieving 95% on-time sprint completion.

Marvelous Technologies Oct. 2023 – Sept. 2024
Software Engineer Intern *Dhaka, Bangladesh*

- Engineered and deployed Python-based web applications using Django, Redis for caching, and Celery for task queue management.
- Enhanced database efficiency by optimizing schemas, speeding up data storage and retrieval, and reducing server load.
- Accelerated microservices development and deployment with gRPC, SQLAlchemy, FastAPI, and Docker, achieving a 30% faster time-to-market for new features.
- Explored ways to visualize and send a daily report of test results to team members.

Projects

AI-Powered Recruitment Platform | *DRF, PostgreSQL, Celery, Redis, OpenAI, Stripe, Telethon* May 2025

- Designed and implemented backend architecture with Django REST Framework & PostgreSQL, including authentication (JWT, Google, LinkedIn, Telegram OAuth) and role-based access control.
- Built an AI-powered matching engine using OpenAI, LangChain, and Sentence-Transformers with Qdrant vector DB, achieving 80%+ accuracy in automated resume parsing and job matching.
- Automated job extraction from LinkedIn and Telegram APIs and generated job descriptions via AI prompts, reducing manual recruiter effort by 70%.
- Asynchronous workflows via Celery, Redis, supporting 100+ concurrent users with smooth performance.
- **Website:** https://dearcompany.ai

Order Management System | *Python, Django, SQLite, Redis, Celery, Stripe, Git* March 2024

- Engineered robust admin features for customer account management, order placement, and Stripe integration for secure payments with automatic invoicing. Developed a chat system, implemented real-time order tracking, and provided real-time notifications.
- **Project Showcase:** github.com/s-nishad/order-system

Squirrel Football Academy | *Django, Stripe, Wagtail CMS, PostgreSQL, JavaScript* January 2024

- Developed and deployed a dynamic event management system for Squirrel Football Academy using Django, Wagtail, and Stripe, enabling event publishing, registration, and secure payment processing.
- **Website:** https://squirrelfootballacademy.com

Technical Skills

Languages: Python, C, C++
Development Technologies: Django, Django REST Framework, FastAPI, Flask, HTML/CSS, Bootstrap, JavaScript
Database & ORM: PostgreSQL, MySQL, SQLite, MongoDB, Qdrant
Tools & Platforms: Docker, Git, Redis, Celery, gRPC, WebSocket, Stripe, OpenAI API, LangChain, Telethon, Alembic
Others: RESTful APIs, Microservices, CI/CD, JWT, OAuth, System Design

Problem Solving

Codeforces: 310+ problems solved
Handle: _neooo_nishad | Max Rating: 1103

LeetCode: 250+ problems solved
Handle: shohanur_nishad | Max Rating: 1473

HackerRank: 5 start in c++
Handle: Shohanur_BRUR

Extracurricular Activities

Rotaract Club of Rangpur Central   **Jan. 2020 – Jun. 2022**
Community Service Director   *Rangpur*
- Led 10 community service projects focused on education, healthcare, and environmental sustainability, organizing volunteer opportunities and awareness campaigns.
- Collaborated with team members to develop and implement impactful community service projects.

Interests

Artificial Intelligence and Machine Learning, Reading, Coding Competitions, Exploration of new technologies, Sports, Volunteering.