

AMIT PAUL

✉ amit.paul.ece@gmail.com | ☎ +880177725932 | 📍 Khulna, Bangladesh
🔗 LeetCode 🌐 GitHub 🔗 LinkedIn 📊 Kaggle 🗑 Bitbucket ⚡ Codeforces

Know more about me → <https://amitpaul-portfolio.netlify.app/>

👤 PROFILE

Software Engineer with 2+ years of experience designing, scaling, and shipping high-impact backend systems. Proven expertise in system architecture (Django REST Framework), database optimization (PostgreSQL), API design (RAG), and full-stack development (Vue.js).

🏢 EXPERIENCE

Idlewild Digital | Backend Developer (Remote) Jan 2024 – Present

- Architected and implemented a robust export/import solution ("Crabarian") from scratch, cutting 35+ hours of manual reporting and data entry per week.
- Designed a modular LMS backend, architecting a scalable permissions system for 3 user types, designed to support 5,000+ users and automating certificate generation.
- Optimized database performance by resolving N+1 query issues using `select_related` and `prefetch_related`, and applied `annotate` and `aggregate` for efficient data retrieval.
- Developed a full-stack community platform ("American Provost Connect") by implementing event management, forums, and resource-sharing features.

Idlewild Digital | Python Intern Aug 2023 – Dec 2023

- Owned the development of the "Daily Updates" internal reporting system from concept to deployment.
- Proactively learned and applied modular coding practices and Git workflows, earning a promotion to Backend Developer based on performance.

★ INTERNSHIPS AND ATTACHMENTS

Grameenphone | Data Science & Engineering Trainee Jan 2025 – Feb 2025

- Architected a prototype chatbot REST API, designing and implementing a RAG-based application to query telecom FAQs and serve real-time customer data.

📁 PROJECTS / OPEN-SOURCE

University Certificate Automation System

- Designed, built, and pitched a full-stack certificate platform. The architecture was designed to scale to the university's 10,000+ student body.
- Presented to Khulna University ICT Cell, outlining the system architecture, security protocols, and deployment plan.
- **Links:** Backend | Frontend | Demo | Presentation

✂ SKILLS

Languages: Python, JavaScript, Java, C++, C
Frameworks: Django REST Framework, Django, Vue.js
Databases: PostgreSQL, SQLite, MySQL
Tools & DevOps: Git, Bitbucket, Docker, CI/CD, Linux

🎓 EDUCATION

Khulna University Jan 2021 – Present
B.Sc. Engg. in Electronics and Communication Engineering

🏆 CERTIFICATIONS

- Industrial Attachment (Data Science & Engineering) – Grameenphone
- Intro to Machine Learning – Kaggle
- Django Web Framework – Meta
- ICPC Asia Dhaka 2021 – ICPC Global