

# Abidur Rahman

Sylhet, Bangladesh

+8801617591863 | abidurr247@gmail.com | [linkedin.com/in/abidurrahman11](https://www.linkedin.com/in/abidurrahman11) | [github.com/abidurrahman11](https://github.com/abidurrahman11)

## SUMMARY

Software Engineer with a strong foundation in Data Structures and Algorithms and experience building scalable cross-platform mobile and full-stack web applications. Skilled in developing efficient, high-impact solutions with a strong analytical mindset shaped through competitive programming. Seeking opportunities to contribute and grow.

## TECHNICAL SKILLS

**Languages:** C++, Java, Python, Dart, Kotlin, JavaScript

**Frameworks & Tools:** Flutter, Android, React, Node.js, HTML, CSS, SQL, Firebase, Git

**AI-ML:** Pandas, TensorFlow, scikit-learn, LiteRT

## PROJECTS

### Finance Manager | [GitHub](#)

Flutter, Riverpod, Node.js, PostgreSQL

- Developed a personal finance app to track income and expenses, manage **shared groups**, monitor recurring bills, and **plan budgets** with clear progress and visual insights, delivering an intuitive and organized experience.
- Addressed the lack of **collaborative finance tools** by enabling shared money management, reducing manual tracking effort by ~40% and helping users make quicker, more informed financial decisions through **centralized insights**.

### SkillSync | [GitHub](#)

React, Tailwind CSS, Supabase

- Built a peer-to-peer platform for posting, discovering, and **exchanging skills** with a structured booking workflow, profile management, and **moderation features**, delivering a smooth end-to-end user experience.
- Solved the lack of accessible peer learning by enabling direct **learner-mentor connections** through a structured request and approval system, improving interaction efficiency and making skill exchange simple and organized.

### GPTMesh | [GitHub](#)

Flutter, Node.js, Express

- Developed a multi-model AI assistant featuring voice/text interaction, **context-aware conversations**, multi-chat support, markdown-rendered responses, and persistent local chat memory for a seamless experience.
- Achieved a unified AI interaction platform by integrating **OpenAI, Gemini, Claude, DeepSeek, and Qwen** models with dynamic switching and separate conversational memory for each chat session.

### EasyRent | [GitHub](#)

Java, XML, Firebase

- Engineered a feature-rich apartment renting platform with property listings, **advanced search and filtering**, **real-time chat**, admin moderation, and secure NID-based verification for rental requests.
- Solved **trust and communication** gaps in rental platforms by implementing identity verification and direct messaging, reducing fraudulent interactions and improving inquiry response time.

## EXPERIENCE

### DeepNet Lab

*Undergraduate Research Assistant*

August 2025 – Present

Sylhet, Bangladesh

- Built and curated a large-scale traffic video dataset by recording 5 hours of street video and performing frame extraction and annotation on **over 18,000 frames**.
- Improved the accuracy of vehicle detection and traffic monitoring systems by **designing end-to-end ML pipelines** trained on custom, region-specific datasets to overcome local traffic variability.
- Enhanced research scalability** and model performance by architecting specialized data workflows and implementing systematic training and optimization strategies for complex machine learning applications.

## EDUCATION

### Leading University

*Bachelor of Science in Computer Science and Engineering – CGPA: 3.56/4.0*

Sylhet, Bangladesh

February 2022 – March 2026

## ACHIEVEMENTS

---

- International Collegiate Programming Contest, Asia Dhaka Regional – 2X Regionalist (2024, 2025)
- National Collegiate Programming Contest 2023 – Contestant
- 12th Place – MU Inter-University Programming Contest, Sylhet Division 2024
- 47th Place – Metropolitan University IUPC 2024
- 3rd Runner-Up – Leading University ACM Programmer Hunt 2023
- 2nd Runner-Up – Java Journey: The Ultimate Test 2024
- Participated in **200+** onsite and online programming contests
- Solved **over 1,800 problems** across online judges, including [Codeforces](#) and [CodeChef](#)

## VOLUNTEERING

---

### Leading University Computer Club

*ACM Programming Coordinator Lead*

May 2025 – May 2026

- Led programming contests, workshops, and training sessions for students.
- Orchestrated university-wide initiatives by **managing logistics** and coordinating with stakeholders to ensure sustainable club growth.
- **Authored problem sets** for multiple programming contests and served as judge for intra-university competitions.

### Leading University ACM Community

*Mentor*

March 2024 – May 2026

- Mentored students in mastering Data Structures and Algorithms to build a strong programming foundation.
- Conducted regular coding sessions and shared effective strategies for **competitive programming preparation**.

## LANGUAGE

---

**English** – Professional Fluency

**Bangla** – Native