Mahbub Hasan

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Career Objective

Focused on solving complex problems, I am a competitive programmer and software developer dedicated to creating practical and innovative solutions. I have solved more than **850 problems** across different online platforms and have over **2+ years of experience** with Flutter. With a CS background and competitive programming experience, I apply strong problem-solving skills throughout software development.

Education

Patuakhali Science and Technology University, B.Sc. (Engg.) in Computer Science and Engineering — March 2021 – Present
- CGPA: 3.46/4.0 (Till the last semester)

Pangsha Govt. College, HSC (Science) – GPA: 5.0 — Year of 2020

Pangsha George Pilot High School, SSC (Science) – GPA: 4.94 — Year of 2018

Experience

App Developer (Remote), SESAT LTD - Cyprus, UK — September 2024 – Present
- Contributing as an App Developer on **multiple projects**
- Actively handling the full development lifecycle, **from planning to deployment**
- Generating app reports with **reporting tools** and collaborating via GitHub for version control
- Published mobile applications on Google Play Store and Apple App Store
- Working in an **Agile environment**, attending meetings, estimating tasks, updating project boards such as Trello

Technical Assistant (Remote), ACCHAH C.I.C - London, UK — February 2023 – May 2024
- Provided end-to-end technical support for businesses, including app development, website editing, and maintenance
- Developed and maintained WordPress-based e-commerce solutions
- Delivered various technical support services to meet company needs and improve efficiency

Achievements & Activities

- **CSE Club, PSTU** — 2023 – Present
  - **Assistant General Secretary (Programming Contest), 6th Executive Committee:** Organized competitive programming contests, managed logistics, evaluated submissions, and promoted computer science education and community engagement within the university.
  - **Programming Contest Committee Member, 5th Executive Committee:** Contributed to the organization and execution of programming contests, fostering a competitive and collaborative environment for students.
- **Competitive Programming Enthusiast** — 2020 – Present
  - Solved 850+ problems on online judges including Codeforces and LeetCode, with a peak rating of 1224 in the **Pupil** division. *Handle:* mahbub_hasan_abid
  - Secured 8th place in the 4-hour Barishal Divisional Programming Contest 2023 on Codeforces
- **Assistant Coordinator (Football), PSTU Sports Club** — 2024 – Present
- **Champion, bdapps Challenge at IT Carnival** — 2024

Projects

Shiplyo (Mobile App) [Website]

- Multi-purpose mobile application combining healthcare services, e-commerce functionality, and network marketing features with telemedicine, product shopping, and referral programs.
- Integrated bKash payment gateway for secure mobile banking transactions, enabling financial operations including balance transfers, withdrawal processing, and order payments.
- Implemented comprehensive business management tools including team management, dealer income monitoring, and generation history tracking with real-time updates.
- Built with Flutter using MVC architecture and GetX for state management, featuring 30+ feature modules with secure authentication and OTP verification.

OCO - One Character Only (Windows App) [Website]

- Developed production level full system and implemented a subscription system with a 30-day free trial
- Designed the application to simplify keyboard use by disabling character repetition, facilitating people with motor difficulties (Cerebral Palsy, Spasticity, Athetosis, Ataxia, Parkinson's, Down Syndrome)
- Worked with native features and handled backend integration
- Created a separate full admin app, giving the admin complete control over user access

CricOn - Live Cricket Scores (Mobile App) [Google Play Store]

- CricOn brings the excitement of cricket to your fingertips, keeping you connected to tournaments and local games
- Real time updates on batter & bowler performance, economy rate, strike rate, and automatic overall calculations
- Anyone can host their local matches on the app for free
- Users can view live scores, match stats, and post match reports

Esho Shikhi (Mobile App) [GitHub]

- Flutter-based educational app for children in Bangladesh with bilingual support in Bengali and English
- Language settings allow easy switching between Bengali and English
- Offers light, dark, and system themes with a child-friendly interface

Barakah Marts (E-commerce Mobile App) [Play Store] [App Store]

- Fully functional e-commerce app available for both Android and iOS
- Published on Google Play Store and Apple App Store

Automated Inventory Management System (Windows App) [GitHub]

- Automated Inventory Management System built with Flutter and Firebase
- Supports real time inventory tracking, product, customer, category, user, transaction, and order management
- Features include PDF report generation, charts, splash screen, toast messages, and a user-friendly interface

AI Chatbots with Database (Python and SQL) [GitHub]

- Built AI chatbots integrated with SQL databases for dynamic conversations
- Used Python with natural language processing to query and update records

Technologies

Languages: Dart, Python, C++, Java, JavaScript, SQL, C

Frameworks & Libraries: Flutter, Node.js, Express.js, GraphQL

Databases: Firebase Firestore, MongoDB, PostgreSQL, MySQL

Dev Tools & Platforms: Git, GitHub, VS Code, Android Studio, Xcode, Postman, Trello, GitHub Actions