

# Sadia Afrin

Uttara, Dhaka | afrin.iut@gmail.com | +8801992099240 | LinkedIn | GitHub | Portfolio

## Professional Summary

Enthusiastic Computer Science student and versatile developer with hands-on experience in Flutter, React Native, Spring Boot, and the MERN Stack. Skilled in cross-platform mobile app development, full-stack web solutions and UI/UX design using Figma. Adept at translating user needs into intuitive designs and robust applications. Strong collaborator with the ability to adapt to diverse project requirements and deliver high-quality solutions that enhance user experience.

## Education

### Islamic University of Technology

Bachelor of Science in Computer Science and Engineering, 7th semester —

Aug.2022 – Present  
Gazipur,Dhaka

- CGPA: 3.35
- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Database Management, System Analysis and Design, Computer Architecture, Software Engineering and Object Oriented Design

## Technical Skills

Language	: C, C++, HTML, CSS, JavaScript, TypeScript, SQL, Dart, Java
Design Tools	: Figma, Scene-builder
Developer Tools	: Android Studio, VS Code, GitHub, Postman
Frameworks/Library	: Flutter, React Native, MERN stack, SpringBoot, JavaFX
Backend & Database	: Firebase, RESTful APIs, MongoDB

## Projects

### Shondhan

GitHub

- Developed Shondhan, an AR-based property discovery app integrating Augmented Reality (AR) and Artificial Intelligence (AI) to enhance real estate search experience
- Implemented real-time AR visualization of properties, enabling users to view virtual overlays on real environments
- Designed and built an AI-powered search engine with predictive analytics (e.g. price prediction, crime score) and natural language support
- Created and maintained the UI/UX flow (via Flutter, Firebase, etc.), integrating map navigation, 3D interior views, and dashboard modules for buyers and owners
- **Technologies:** Flutter, Dart, Firebase

### Growth Assist

GitHub

- Designed and developed an interactive mobile app for children with autism and their families, providing tools for learning, social connection, and caregiver support.
- Implemented role-based access (Admin, Child, Parent, Educator) with secure authentication and personalized user experiences.
- Built key features including schooling modules with video resources, RAADS-R test, event publishing & enrollment, chat, friend suggestions, and feedback system.
- Enhanced engagement with interactive arts modules (animals, colors, instruments, professions, alphabets with sounds) to support early learning and communication.
- **Technologies:** React-Native, Tailwind CSS, Firebase

### JobSpring

GitHub

- Built a Spring Boot-based job portal backend with role-based access control for Admin, Recruiter, Job Seeker, Pre-University, and Anonymous users.
- Implemented core modules including job and company management, user authentication & profiles, blog posting, and resume/experience integration.
- Developed advanced features such as chatbot for career guidance, messaging system, interview scheduling, and real-time notifications.
- Enabled role-specific functionalities (e.g., Admin user management, Recruiter job posting & applications, Job Seeker job applications, Pre-University interview practice & career planning).
- **Technologies:** React-Vite, Tailwind CSS, Mantine, Spring Boot, Java, REST API, Postgres, Maven, Postman

## Passion

[GitHub](#)

- Built a fully responsive e-commerce Shopify store using the Digitic theme with Online Store 2.0 architecture.
- Customized product pages, categories, filters, and search functionalities to provide a smooth user shopping experience.
- Implemented an Admin panel for managing products, categories, orders, and customer data.
- Integrated secure payment gateways, multilingual & multi-currency support, and optimized store performance for conversions.
- **Technologies:** HTML, CSS, Bootstrap5 and React

## Design Projects

---

### Shondhan UI

[Prototype](#)

- Designed Shondhan, an AR-based property discovery app, creating interactive UI/UX flows in Figma to enhance the real estate search experience.
- Prototyped real-time AR visualizations and virtual property overlays, allowing stakeholders to interact with immersive property concepts before development.
- Developed AI-powered UI concepts for predictive analytics (e.g., price prediction, crime score) and natural language interactions.
- Created comprehensive UI/UX designs, including map navigation, 3D interior views, and dashboard modules for buyers and owners, ensuring intuitive and seamless user experience.
- **Technologies:** Figma

### MedXam UI

[Prototype](#)

- Designed MedXam, a medical admission prep platform, creating interactive Figma prototypes for mobile UI/UX with focus on intuitive navigation and user engagement.
- Developed comprehensive interface flows, including login, home dashboard, quizzes with timers, chapter lists, flashcards, practice tests, and model exams.
- Created interactive pages for chatbot, leaderboard, and study resources, ensuring seamless and engaging user experience.
- Implemented dark mode and bottom navigation design, enhancing usability and accessibility across different user preferences.
- **Technologies:** Figma

## Extracurricular Activities

---

- Competitive Programming :
  - Achieved 6th position in Rajuk Intra College Math Olympiad (2019)
  - Achieved 27th position in IUT Intra Varsity Competitive Programming (2023)