

# SHAHRIAR AZAD

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## Technical Skills

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**Languages:** Python, JavaScript, C/C++

**Web Frameworks:** React.js, Next.js, Express.js, Node.js, Django, Tailwind CSS, Material UI

**Databases:** MongoDB, PostgreSQL

**Testing Tools:** Postman

**Web Design:** Framer, Webflow

## Projects

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### FitTrack – Personal Project

Apr 2025

- Fitness tracker with daily logs, workout goals, and progress visualization.
- Implemented chart-based analytics for calories burned and BMI tracking.
- **Tech stack:** React.js, Node.js, Express.js, MongoDB, Material UI.

### ImageAI – Personal Project

Jan 2025

- AI-powered image generator based on user prompts using OpenAi Dall.E model/OpenAi API.
- Implemented a feature where user's can post the generated images to the community.
- **Tech stack:** React.js, Node.js, Express.js, MongoDB, OpenAi Dall.E model, OpenAi API

### Connectify – Personal Project

Nov 2024

- A Social media web app for creating posts, likes, comments and connecting with friends.
- Built responsive news feed, friend requests, dark mode theme.
- **Tech stack:** React.js, Node.js, Express, MongoDB, Material UI.

### ChatByte App – Personal Project

Feb 2025

- Real-time chat application with everyone on the app.
- Implemented user authentication with login-logout features and update profile picture system.
- Built emojis and image sending feature for more engaging conversations.
- **Tech stack:** React.js, Node.js, Express.js, MongoDB, Socket.io, Cloudinary.

### NextHire – Personal Project

Mar 2024

- Designed and developed a full-stack job portal platform to connect job seekers with employers.
- Implemented user authentication, role-based dashboards (Admin, Employer, Job Seeker).
- Implemented resume/job post management features.
- Integrated advanced filtering and search capabilities for job listings using MongoDB queries.
- Enabled recruiters to post jobs and manage applicants, while candidates could apply, track applications and update.
- **Tech stack:** MongoDB, Express.js, React.js, Node.js (MERN stack).

### Explain Like I'm 5 – Personal Project

Mar 2024

- Built an AI-powered web application that breaks down complex topics into three age-based difficulty levels.
- Integrated Google Gemini AI API to generate dynamic, level-specific explanations based on user input.
- Designed an intuitive user interface with responsive design for seamless experience across devices.
- Enabled learners, educators, and curious users to access simplified knowledge instantly through interactive, engaging UI.
- **Tech stack:** React.js, HTML5, CSS3, Google Gemini AI API.

### BRACU Library Management – Academic Project

Dec 2024

- Designed and developed a comprehensive library management system tailored for BRAC University to streamline book borrowing, returning, and inventory tracking.
- Implemented user authentication with OTP-based password recovery to ensure secure access for students and admins.
- Enabled book issuance and return tracking with automatic fine calculation for late submissions.
- Built admin dashboard to manage users, book inventory, overdue books, and transaction history.
- **Tech stack:** MongoDB, Express.js, React.js, Node.js (MERN stack).

### AI-Powered Summarizer – Personal Project

May 2025

- Summarization tool that generates concise overviews of long content using AI.

- The summarization mainly generates from url as a prompt.
- **Tech stack:** React.js, OpenAI API, Tailwind CSS.

## BRACU AI Voice Assistant – Personal Project

Jun 2025

- Built a smart AI voice assistant that answers real-time queries about BRAC University by fetching and processing up-to-date data directly from the university website.
- Implemented voice interaction using the Web Speech API, enabling natural voice commands and responses.
- **Tech stack:** React.js, Web Speech API, HTML5, CSS3, JavaScript (ES6+).

## Academic Credentials

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**BRAC University**, Dhaka, Bangladesh

*BSc in Computer Science*

CGPA: 2.50 / 4.00

Jun 2021 – Dec 2025

**Chattogram Collegiate School & College**, Chattogram, Bangladesh

*Higher Secondary Certificate*

CGPA: 5.00 / 5.00

Mar 2018 – April 2020

## Thesis

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**Consumer and Business Owner Rights and Legal Access: An HCI-Based Approach**

*Supervisor: Dr. Jannatun Noor Mukta*

Nov 2024 – Present