Ashfak Azad Nafi

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Career Objective

Computer Science student at IUT with hands-on experience in MERN stack, robotics (Arduino), and basic ML. Seeking an internship to apply full-stack and problem-solving skills to real-world products.

Education

BSc in Computer Science and Engineering
Islamic University of Technology (IUT), Gazipur, Bangladesh
Current CGPA: 2.71
Expected Graduation: August 2026

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks, Database Systems, Software Engineering, Object-Oriented Programming, Web Technologies, Machine Learning

Technical Skills

- **Programming Languages:** C++, Python, Java, JavaScript

- **Web Development:** React.js, Node.js, Express.js, HTML, CSS, REST APIs, Java Spring Boot

- **Database:** MongoDB, MySQL, Oracle

- **Machine Learning:** NumPy, Pandas, data preprocessing

- **Embedded Systems / Robotics:** Arduino Uno/Nano, sensor integration, automation logic (C++, Arduino IDE)

- **Tools:** Git, GitHub, Postman, VS Code, LaTeX

Projects

ShopEase – Full-Stack E-commerce Website(GitHub)　　*React.js, Node.js, Express.js, MongoDB*

- Developed a complete online platform for buying and selling products

- Implemented user authentication and route protection using JWT.

- Built features including product search, category sorting, cart management, and order tracking.

- Integrated secure payment system and designed a dynamic checkout process.

IUT-CritiqueHub - Full Stack Blog website(Github)　　*React.js, Node.js, Express.js, MongoDB*

- Developed secure blog platform (JWT authentication, CRUD operation, role-based permissions)

- Designed to write blogs, Edit or Update blogs

- Implemented review system with likes and comments in any blog

- Designed category-based recommendations and trending blogs sections

JustCoffee - A Mobile App(Github)   *React Native, Express.js, MongoDB*

- Built a mobile app for browsing and ordering coffee products.

- Integrated CRUD operations via Express API and MongoDB database.

- Implemented product filtering, cart, and authentication features.

Nimbus - A Global Weather Teller(Live Demo)   *Html, Css, Javascript*

- Developed a responsive weather application fetching real-time data from RapidAPI

- Real-time display: temperature, cloud conditions, wind speed and forecast data

Arduino-Powered Smart Systems(Github)   *C++, Arduino Uno/Nano*

- Personal robotics projects focused on automation and real-world interaction using microcontrollers and sensors.

- Developed multiple robotics systems including a Soccer Bot, Smart Dustbin, and Smart Door Lock System.

- Programmed real-time automation logic using Arduino IDE and C++ for sensor-based interaction.

- Worked with servos, ultrasonic sensors, IR modules, and motor drivers to build functional hardware prototypes.

Extracurricular Activities

- *Worked in Notre Dame Math Club*

- *Member of IUT Auto Mobile Society (2023-Present)*

- *Participated in Intra-College Math Olympiad*

Courses and Certifications

- *Robotics: A Journey with Arduino* – Bangla Boffins

- *Master HTML and CSS by Building Real World Projects* – Udemy

- *Master Git and GitHub: Beginner to Expert* – Udemy

- *VSCode Shortcuts & Extensions for Web Developers* – Udemy

Achievements

- Solved 100+ problems in Codeforces (Rating: 809)[Codeforces]

- Won 2nd Prize in Jamalpur Zilla Science Fest - (2017)