



TUFAIL AHMED
B.Tech. - Electronics & Communication Engineering
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PROFESSIONAL SUMMARY

I am an Electronics and Communication Engineering undergraduate with a deep passion for exploring cutting-edge technologies. I enjoy transforming complex problems into simple, elegant, and intuitive solutions.

KEY EXPERTISE

C Java Javascript HTML CSS TAILWIND CSS React.js Node.js MongoDB dsa IOT

EDUCATION

Haldia Institute Of Technology B.Tech. - Electronics & Communication Engineering CGPA: 6.92 / 10	2023 - 2027
+2 S.K.H/S PANDAU MADHUBANI, Madhubani 12 th BSEB Percentage: 70.17 / 100	2022
R P D J HIGH SCHOOL JITWARPUR, MADHUBANI, Madhubani 10 th BSEB Percentage: 60.06 / 100	2020

AWARDS AND SCHOLARSHIPS

- Most Practical Award – AI Innovation Arena Grand Finale, AI for Everyone (May 2025).

PROJECTS

Smart-Blind-Walking-Stick Mentor: Dr. Suman paul Team Size: 5 Key Skills: C++ Arduino iot Developed a Smart Blind Walking Stick to assist visually impaired individuals in safe navigation. The system uses an HC-SR04 ultrasonic sensor connected to an Arduino Nano to detect obstacles in real time and alert users through a buzzer. Integrated a rechargeable 3S Li-ion battery with Type-C charging and a 20A Battery Management System (BMS) for safe and efficient power management. My role included hardware integration, sensor interfacing, Arduino programming, circuit testing, and prototype development. The project focused on creating a low-cost, portable, and user-friendly assistive device that improves mobility and independence for visually impaired users.	23 May, 2026 - 03 Jun, 2026
Expense Tracker Mentor: Hitesh Choudhary Team Size: 1 Key Skills: HTML5 CSS Javascript Project Link: https://expense-tracker-tau-tawny.vercel.app/ - Developed an expense tracker application using HTML, CSS, and JavaScript. - Implemented features to add expenses dynamically and calculate total spending in real time. - Designed a clean, dark-themed and user-friendly interface for better usability. - Enhanced skills in DOM manipulation, event handling, and JavaScript logic.	25 Nov, 2025 - 05 Dec, 2025
Weather App Mentor: Hitesh Choudry Team Size: 1 Key Skills: HTML5 CSS Javascript Project Link: https://weather-nine-mocha-15.vercel.app/ - Developed a responsive weather application using HTML, CSS, and JavaScript. - Integrated a public Weather API to fetch real-time temperature, humidity, and wind data. - Implemented dark/light mode and dynamic UI updates for better user experience. - Improved skills in API integration, DOM manipulation, and responsive design.	08 Aug, 2025 - 01 Sep, 2025

ACHIEVEMENTS

- Completed the AI for Engineers program and earned the Certified AI Builder (Level II) certification. Selected among the Top 15 teams in the AI Innovation Hackathon and successfully presented our project at the AI Innovation Arena Grand Finale.

SEMINARS / TRAININGS / WORKSHOPS

AI for Engineers – Certified AI Builder (Level II) Institute Name: Haldia Institute Of Technology 06 Apr, 2006 - 16 May, 2026
Participated in a month-long AI for Engineers program where over 70 project pods developed innovative AI solutions. After multiple evaluation rounds, our team was shortlisted among the Top 15 pods and invited to present our project before a judging panel. The project was recognized with the Most Practical Innovation Award for its real-world applicability, problem-solving approach, and implementation potential.

PERSONAL INTERESTS / HOBBIES

- Football, Cricket, Travelling

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Gandhi Nagar Haldia, Haldia, West Bengal, India - 721657

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Date of Birth: 01 May, 2004

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