

Tanish Chowdhury

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Education

Indian Institute of Information Technology, Allahabad, BTech in Information Technology and Business Informatics Aug. 2023 – May 2027

- GPA: 7.71/10.0
- **Coursework:** Data Structures and Algorithms, Computer Networks, Operating Systems, Database Management Systems, Object Oriented Programming, Software Engineering

Experience

Web Developer, Deep Learning Lab - IIITA Aug. 2025 - Present

- Built accessible, gamified web interfaces for children with ASD using React, Next.js, and Typescript.
- Developed real-time dashboards and portals for parents and therapists.
- Integrated web front-end with AI-driven data and automated reporting systems.

Projects

ErrInsight  GitHub 

- Built AI-powered debugging tool using Groq's Llama 4 to analyze errors across 20+ programming languages and generate structured explanations with actionable solutions
- Developed 6 Next.js API routes for error analysis, history tracking, rate limiting, and collaborative sharing; integrated Appwrite database with complex array schemas
- Tools Used: React, Next.js, Node.js, Tailwind CSS, Appwrite, Groq AI, Vercel

Capling  GitHub 

- Created AI-powered personal finance app that gamifies budgeting, increasing user engagement through XP-based progression and dinosaur companion
- Integrated Gemini API for real-time transaction analysis, classification, automated budget adjustment and personalized daily financial education content
- Tools Used: React, Next.js, Typescript, Tailwind CSS, Gemini 2.0 flash, Supabase

Campus Placement Portal  GitHub 

- Developed a placement portal using React and Django REST Framework, enabling students to apply for jobs with real-time application tracking and role-based dashboards for students, companies, and admins
- Implemented secure OTP-based authentication via SendGrid API and integrated Cloudinary for cloud-based resume storage, reducing file management overhead by 100 %
- Tools Used: React, Tailwind CSS, Axios, Django, REST Api, MySQL

Technical Skills

Languages: Javascript, Typescript, Python, Java, C++ , SQL

Frameworks: Next.js, Node.js, Express.js, Django

Libraries: React.js, Redux, Tailwind CSS

Databases: MySQL, PostgreSQL, MongoDB, Supabase

Tools: Git, GitHub, Docker, Vercel, Railway, VS Code