

# AYAN AHMAD

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## EDUCATION

Indian Institute of Information Technology, Allahabad  
B.Tech in Information Technology

2021-2025  
CGPA: 7.8

## EXPERIENCE

### Technical Content Writer Intern

January 2024 - Present

GeeksforGeeks

Remote

- Authored articles on Data Structures and Computer Science, resulting in a 30% increase in page views.
- Proposed 10+ improvements to existing algorithmic problems, upgrade content quality and applicability.
- Produced high-quality content using technical writing skills, boosting user satisfaction scores by 25%.

### Web Development Internship

December 2023 - January 2024

CodSoft

Remote

- Developed a responsive fitness website using **React JS** that integrated **REST API** data, showcasing over 100 categorized exercises and YouTube workout videos, enhancing content engagement by **30%**.
- Utilized **React Router** to enable smooth navigation and added **pagination** for efficient content loading, increasing user retention by **25%**.
- Improved UI consistency and visual appeal by integrating **Material UI**, boosting user satisfaction based on feedback scores.

## PROJECTS

### MealDash | React Js, MongoDB, Express, Node JS, Stripe | GitHub | Live

July 2024 - August 2024

- Developed an interactive React.js UI for browsing, viewing, and managing cart items with a dynamic sliding category filter, increasing user engagement by **30%**.
- Implemented an **admin dashboard** using React and Express.js, allowing admins to manage food items efficiently by editing, uploading, and deleting, Optimizing operational workflow by **40%**.
- Built a secure backend using **Node.js** and **Express.js** for handling user authentication, data protection, and seamless frontend-backend communication, reducing response time by **35%**.
- Enhanced user experience with **light/dark mode** and integrated payment options like **COD** and **Stripe**, resulting in a **20%** increase in accessibility and a **25%** rise in successful transactions.

### CareerHorizon | React JS, Tailwind, Shadcn, Clerk, Supabase, Zod | GitHub | Live

May 2024 - June 2024

- Built a fully functional job portal using **React.js** and **Supabase**, managing over **1,000 real-time job listings** and providing secure authentication for **100+ active users**.
- Integrated **Clerk** for streamlined user authentication with social login, along with **Supabase** for real-time **PostgreSQL** data handling, ensuring quick and smooth interactions between users and job listings.
- Implemented dynamic job search filters, application tracking, and recruiter management features, reducing user search time by **40%** and enhancing overall user experience.

### Restormer | Python, PyTorch, Computer Vision, Transformers | GitHub | Demo

January 2024 - April 2024

- Implemented **Restormer**, an efficient transformer model for high-resolution image restoration, specifically targeting image draining tasks.
- Created a custom dataset **Rain1100** consisting of **1,100 rain/ground truth** image pairs, significantly improving model training accuracy and performance.
- Optimized both **pretrained** and **custom-trained** model for superior draining results, bettering efficiency and image quality.
- Performed extensive **PSNR** and **SSIM** calculations, achieving a **6% performance increase**, surpassing results from prior research.

## SKILLS

**LANGUAGES:** HTML, CSS, JavaScript, C/ C++, Java, Python.

**DATABASES:** SQL, MongoDB, MySQL, SupaBase.

**Frameworks and Libraries:** React-JS, Node.js, Express, NextJs, Typescript, Redux, Bootstrap, Tailwind.

**Tools and Technologies:** Postman, Git, Zod, Socket.IO, Stripe, JWT.

**Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Management System, Operating Systems.

## CODING PROFILES

Geeksforgeeks (Rank: 30th)    Leetcode (Knight: 1991)    Codeforces (Specialist: 1593)    Codechef (4 Star: 1840)

## ACHIEVEMENTS

Completed an **AWS certification course** from Scalar, showcasing proficiency in cloud computing technologies.

Achieved a CGPA of **10** in a mini project under **Prof. Dr. Navjot Singh** in the 6th semester.

Earned the HackerRank **Problem-Solving** (Intermediate) Certificate.

Ranked **41** among 20k participants in **Codechef Starters 72 (Div. 4)**.

Participated in **Google Kick-Start** with a rank of **1969** in Round F, 2022.