Ankit Kumar

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Education

- **Indian Institute of Information Technology, Guwahati** *2022 - Present*
  Bachelor of Technology - BTech, Electronics and Communication Engineering CGPA: 7.81

- **British English School, Bihar** *2021 - 2022*
  Class 12th- CBSE Percentage: 87.8

- **British English School, Bihar** *2019 - 2020*
  Class 10th- CBSE Percentage: 94.6

Technical Skills and Interests

- **Languages**: C++ (DSA), Javascript (Web development)

- **Frontend**: React.js, React Native, Redux, HTML, CSS

- **Backend**: Node.js, Express.js, RESTful APIs

- **Platform and Tools**: Git, GitHub, Socket.io, VS Code

- **Databases**: MongoDB, MySQL

- **Soft Skills**: Problem-solving, Analytical thinking, Quick learner

- **Coursework**: Data Structures and Algorithm, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks

Personal Projects

- **Full-Stack eBarter Platform** | ○ GitHub *Mar 2025 – May 2025*
  Tech Stack: *React.js, Node.js, Express, MongoDB, Socket.io, JWT, OAuth 2.0, Cloudinary*

  – Architected a full-stack trading platform enabling users to post items, negotiate swaps, and chat in real-time.
  – Engineered a secure Node.js API using JWT and Google OAuth (Passport.js) with middleware-protected routes.
  – Implemented Socket.io to deliver live trade notifications and private chat messaging for seamless user interaction.
  – Built a dynamic React frontend and integrated Cloudinary for scalable, cloud-based image handling.

- **Pathfinding Algorithm Visualizer** | ○ GitHub *Nov 2024 – Dec 2024*
  Tech Stack: *React.js, JavaScript, HTML5, CSS3, Tailwind CSS*

  – Developed a web app to visualize classic pathfinding algorithms (BFS, DFS, and A*) step-by-step.
  – Engineered an interactive grid allowing users to dynamically create obstacles and drag start/end nodes.
  – Utilized React Hooks and asynchronous JavaScript to animate the search process and highlight the shortest path.

- **Interactive Symptom Logger Mobile App** | ○ GitHub *Jan 2025 – Feb 2025*
  Tech Stack: *React Native, TypeScript, Expo, Reanimated, SVG*

  – Built a cross-platform mobile app for detailed symptom logging using React Native and TypeScript.
  – Designed an interactive data entry system using tappable SVG body maps and intensity sliders.
  – Implemented advanced pan-and-zoom gestures on the body map via React Native Reanimated.
  – Integrated native device APIs with Expo Image Picker to allow users to attach photos from camera or gallery.

Achievements

– Solved 400+ Data Structures and Algorithms problems on LeetCode and other platforms.
– Ranked in the top 5% in JEE Mains 2022.
– Secured All India Rank (AIR) 5505 in JEE Advanced 2022 under OBC category.