Aman Kumar

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Education

Indian Institute of Information Technology, Bhagalpur   **Nov 2021 - June 2025**
B.Tech in Computer Science & Engineering   *8.33/10 CGPA(absolute)*

Tomar Children School, Varanasi   **April 2019 - May 2020**
Class XII   *94%*

Work Experience

Equal(MoneyOne)   **July 2025 – Present**
SDE Intern   *Hyderabad*

- Architected a **PDF analytics workflow** using the **Equal API**, enabling secure uploads, **S3 storage**, **real-time status tracking**, and user-facing reporting; added robust **error handling** and improved reliability by **synchronizing database status** with provider responses.
- Developed an automated **MIS metrics aggregation system** that collects, backfills, and stores business metrics using dynamic SQL queries and controller logic, enabling both **real-time** and historical reporting for dashboard visualization.
- Designed and implemented **storage optimization** by migrating XML payloads from RDS to **Amazon S3** with a structured prefix strategy, and built retrieval functionality leveraging RDS metadata to efficiently fetch XML files, achieving approximately **$5,000/month in AWS cost savings**.

Testline   **Feb 2025 – June 2025**
Software Engineer Intern   *Remote*

- Engineered a **scalable** and high-performance **test interface**(allmocktest.com), ensuring seamless question transitions, optimized state management, and an intuitive UI using React.js.
- Built backend logic in **Ruby on Rails** to parse syllabus content, dynamically generate exams and structured exam sections, and serve parsed data to the UI, enabling automated test creation and reducing manual input effort.
- Enhanced the **Flutter app** by implementing **LaTeX rendering**, designing and developing full **streak functionality** with dedicated streak pages and improving the **onboarding flow**, boosting user engagement and UI/UX.

Projects

Chatty: TechStack - JavaScript | ReactJS | Node.js | Express.js | MongoDB | Socket.io   [Source Code](#)

- Developed a real-time **chat application** using MERN stack and **Socket.io**, enabling instant messaging with online user status and media sharing via Cloudinary.
- Implemented JWT authentication, efficient state management with **Zustand**, and a responsive UI using TailwindCSS and Daisy UI for a seamless user experience.

ThreadNest: TechStack - JavaScript | ReactJS | Node.js | Express.js | MongoDB   [Source Code](#)

- Developed an interactive platform using React.js, designed for **threaded conversations** and real-time engagement, enabling users to create posts, reply, and follow other users seamlessly.
- Implemented key features such as user authentication, profile updates, customization, and media uploads via **Cloudinary**, with a focus on performance optimization and efficient state management using **Recoil**.

Technical Skills

Languages: C, C++, JavaScript
Backend: Node.js, Express.js, Ruby on Rails
Frontend: React.js, Flutter, HTML, CSS, Bootstrap, TailwindCSS
Database: MySQL, MongoDB
Tools: Postman, Git, GitHub, Linux, Cloudinary, Socket.io, Clarity, Google Analytics, AWS S3

Achievements

- Achieved **261st** rank in **Codeforces** Round 1008 Div2 contest, reaching a rating of 1683 and attaining **Expert** status.
- Achieved **Rank 6** out of over 5 lakh participants in the **Naukri Campus Young Turks** examination.
- Achieved Level 2 qualification in the **Flipkart GRiD 5.0** Health+ Track organized by Flipkart.
- Qualified for Level 2 of **Smart India Hackathon'23** organised by Government of India.
- Completed **Google Cloud** Arcade training, gaining practical experience in managing cloud infrastructure.
- Solved more than **900** problems in DSA on **LeetCode** and **GFG**.