Aman Kumar

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EDUCATION

Dr. B.R. Ambedkar National Institute of Technology Jalandhar, Punjab
Bachelor of Technology in Biotechnology (CGPA - 8.01) *Nov. 2021 – May 2025*

Kundan Vidya Mandir Sen. Sec. School Ludhiana, Punjab
Intermediate (Percentage Obtained - 93.2) *Apr. 2020 – March 2021*

TECHNICAL SKILLS

Version Control: Git, GitHub, VS Code
Development Tools: M.S. Excel, M.S. PowerPoint, M.S. Word
Languages: C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS,
Frameworks: React, Node.js, Express.js, MongoDB
Concepts: Data Structure and Algorithm (DSA), Object Oriented Programming Language

SOFT SKILLS

Problem-solving, Time Management, Leadership, Collaboration, Adaptability, Demonstrated through organizing events, leading cross-functional teams, and solving complex problems in competitive environments.

PROJECTS

Portfolio-Website | *React, JavaScript, Tailwind CSS, Git, GitHub* (**Link**) Oct 2024
- **Developed** a responsive portfolio using **React**, **JavaScript**, and **Tailwind CSS**, optimized for **various screen sizes**.
- **Showcased** personal information, including contact details, coding profiles, and social media links, allowing access to over **3 key projects**.
- **Deployed** the website on **GitHub Pages**, utilizing **Git** for version control and continuous deployment, with an average load time of under **1 seconds**.

Sorting-Visualizer | *React, TypeScript, Tailwind CSS, Git, GitHub* (**Link**) Aug 2024
- Developed a web application to visualize various sorting algorithms (**Quick Sort**, **Merge Sort**, **Insertion Sort**, **Bubble Sort**, **Selection Sort** etc.) with interactive features.
- Implemented a feature allowing users to compare sorting algorithms by reusing the same array and displaying the time taken by each algorithm.
- Used **Tailwind CSS** to create a responsive and visually engaging **UI** with dynamically generated arrays.
- Deployed the application on **GitHub Pages** for public access.

Blogging-Website | *TypeScript, React, PostgreSQL, JWT, Prisma ORM, Cloudfare Workers* (**Link**) Jun 2024
- Developed a full-stack blog platform utilizing **React**, **Cloudflare Workers**, **PostgreSQL**, and **TypeScript**
- Enhanced security by 30% through robust **JWT**-based user authentication and authorization.
- Designed user-friendly interfaces for creating, managing, and showcasing blog content.
- Optimized backend performance through **Prisma ORM**, connection pooling, and serverless architecture.

POSITION OF RESPONSIBILITY

Core Member of Fine Arts Society, NITJ Dec 2023 – Present
- Successfully led the organization of multiple events during annual college fests like 'Utkansh' and 'Techniti,' attracting over 200 attendees.
- Directed a team of 4-5 members to produce and exhibit artworks, leading to a 20% increase in event participation.

ACHIEVEMENTS

- Achieved 94 rank in CODECHEF in Starters 104 Division 4 contest.
- Division 3 coder at CODECHEF solving over 275 questions.
- Achieved a maximum rating of 1636, solving over 450 DSA questions on LEETCODE.
- Ranked in the Top 5 of my batch in B. Tech.
- Scored 100/100 in Mathematics in Matriculation (PSEB)
- Achieved 1st rank in Live Model Presentation Contest organized by the SOBER Society, NITJ