Ankrit Jarngal

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Education

National Institute of Technology Srinagar, J&K

Bachelor of Technology in Computer Science & Engineering *August 2023 – May 2027*

CGPA: 8.68

Kendriya Vidyalaya, Hiranagar (CBSE Board)

Senior Secondary (XII) - 93.00% (2022), Secondary (X) - 91.20% (2020)

Experience

Web Developer, Techvaganza, NIT Srinagar *Aug 2024 – Oct 2024*

- Developed event management tools including QR scanning & participant registration.
- Contributed to Techvaganza website development and feature enhancements.
- Managed servers for over 1000 users, addressing registration issues.

Projects

HTTP Server in C GitHub

- Developed a lightweight HTTP server using Winsock in C.
- Implemented request parsing and response generation.
- Built a basic HTTP response system supporting headers and content delivery.
- Explored low-level socket programming and TCP/IP networking.

Paytm Wallet GitHub

- Built a secure digital wallet using ReactJS and Node.js.
- Implemented JWT authentication for secure login and session management.
- Designed an ACID-compliant transaction system using MongoDB.

Portfolio Website GitHub Live

- Developed a personal portfolio using ReactJS with a responsive UI.
- Designed interactive animations and smooth page transitions.
- Implemented real-time content updates with optimized performance.
- Deployed on Vercel for high availability and fast loading.

QR Scanner GitHub Live

- Created a QR scanner for event participant verification.
- Integrated a backend for real-time attendance tracking and analytics.
- Optimized scanning speed and accuracy for large-scale events.
- Deployed on Vercel for seamless performance.

Onsite Registration System GitHub

- Developed a full-stack system for real-time participant registration and data entry.
- Integrated a secure backend with Node.js and PostgreSQL to handle registrations.
- Ensured seamless scalability for large events with robust database optimization.

Technical Skills

Languages: C, C++, Java, Rust, Python, JavaScript, TypeScript, SQL
Frameworks: Next.js, Node.js, Express.js, ReactJS, Tailwind CSS
Developer Tools: Git, VS Code, Neovim, Bash, Vercel, REST APIs, JWT Authentication
Databases: MongoDB, MySQL, PostgreSQL
Soft Skills: Problem-Solving, Analytical Thinking, Team Collaboration

Subjects

C Programming, Software Engineering, Object-Oriented Programming (OOP), Data Structures & Algorithms, Web Development, Database Management Systems, Discrete Mathematics, Operating Systems, Computer Networks

Interests

Creative Writing, Full-Stack Development, Systems Programming, Open Source Contribution, Chess, Reading