IKJOT KOUR

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Education

National Institute of Technology, Srinagar   *CGPA: 9.1*
B.Tech (Computer Science and Engineering)

Experience

Zetawa-Dark – SDE Intern   *Remote — July 2025 – Present*

– Developed company's website using React.js, Express.js, and MongoDB.
– Built responsive UI components ensuring compatibility and SEO optimization.
– Conducted sessions on web development practices for junior developers.

Curve Electric – Web Development Intern   *Remote — May 2025 – July 2025*

– Optimized frontend code, improving load time and SEO ranking.
– Integrated structured metadata and analytics for performance tracking.
– Assisted in promotional design aligned with brand identity.

Rang-e-Chinar '25 – Web Dev Team Lead   *NIT Srinagar*

– Led team to build cultural fest site handling 10,000+ registrations.
– Implemented schedule management and ticketing system with payment gateway.

Technical Skills

Skills: Java, JavaScript, TypeScript, HTML, CSS, C, MongoDB, MySQL , NextJs , UI/IX Designer
Frameworks / Libs: Express.js, Node.js, React.js, Django, Bootstrap, Tailwind CSS, NumPy, Pandas, Matplotlib ,
Figma , Adobe Photoshop , Illustrator , Canva , Git, GitHub
Core Areas: COA, OS, Linux, Ubuntu, RISC-V, DSA, ML (Beginner) , OOP , **AI Areas:** GenAI , Lovable , LLM

Achievements

– Reached Final HR Round – Microsoft Interview (Technical Consultant Role)
– Winner – Semicolon Orientation '23
– Winner – Web Development Competition (Tech-Fusion '24)
– 3rd Position – Coding Round (Women in Tech)

Projects

ERP Module – Django, React.js
Developed a full-stack system for PhD scholars to manage requests, approvals, and document workflows. Implemented
role-based access, form validation, and dynamic dashboards for admin review.

Line Encoding Simulator – Java
Built a graphical simulator that visualizes encoding schemes (NRZ-L, NRZ-I, Manchester, Differential). Allows users
to input binary data and observe waveform generation and transition logic.

RISC-V Assembly Simulator – Python
Created a simulator that executes RISC-V assembly code and displays register/memory updates. Implements instruction
parsing, step-by-step execution, and debugging visualization features.

News Application – NewsMonkey
Real-time news app integrating external APIs with category filtering, search, and pagination. Enhanced UX with lazy
loading, caching, and responsive design using React.js.

Techvaganza Website
Engineered a full-featured event platform with registration, scheduling, and payment automation. Handled 5,000+ user
interactions with optimized database queries and secure backend logic.

Other Experiences

– Member – Organizing Team, TedxNITSrinagar'24
– Volunteer – ICCBT'23
– Active in debates and anchoring events.