

Raman Kumar Jha

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EDUCATION

B. Tech (Electrical Engineering)	2024	Delhi Technological University (formerly DCE)	8.53 CGPA
CBSE (Class XII)	2019	V.C.S.G Sr. Sec. School	86 %
CBSE (Class X)	2017	V.C.S.G Sr. Sec. School	9.6 CGPA

WORK EXPERIENCE

Summer Intern, Siemens Digital Industry Software (India) Pvt. Ltd. Pune (June 2023 - July 2023)

- Learnt to collaborate cross-functionally using **Teamcenter PLM**, enhancing product development and data management.
- Acquired an extensive understanding of both **user** and **administrative** workspaces, while adeptly utilizing **BMIDE** (Business Modeler IDE) within the Teamcenter environment.
- Demonstrated a robust Business Model for a **Bike Service Centre**, establishing an organized structure, efficient workflows, and tailored work order templates achieved a **30%** reduction in operational inefficiencies.

Trainings: Siemens Mechatronics System Certification Program (Level – 1), Aurangabad (December 2022)

- Programmed **PLC S7-300/1200** for various Industrial problems using **TIA PORTAL** and used software WinCC, TIA V16, Digi kit and Fluidsim for Pneumatics and Hydraulics.
- Troubleshooting of numerous PLC automated Mechatronics systems; one of the problems was to troubleshoot and locate the fault in an actual model of Cube Assembly line.

Summer Intern, Siemens Ltd. Energy Automation, Goa (June 2022 - August 2022)

- Devised a user-friendly **Solid Edge** testing device for **PCB** continuity, achieving a 20% increase in **space efficiency** and ensuring seamless device integration.
- Engineered and executed a holistic testing apparatus for evaluating Siemens SIPROTEC protection relays, yielding a 40% reduction in testing time. Collaborated with a team of four members to achieve these outcomes.

PROJECTS

To-Do List Web App | React, Node.js, Express, MongoDB | [GitHub](#)

- Crafted an intuitive time management solution with Node.js, MongoDB, and Express, enabling seamless task modification and efficient day-to-day planning.
- Built a dynamic task management solution, utilizing modern tech to enable users to easily update tasks, enhancing daily productivity and time allocation.

Marine-war | HTML, CSS, JavaScript | [GitHub](#)

- Developed an engaging single-player 2D shooting game using JavaScript.
- Implemented Canvas API for rendering game graphics and animations such as sprite animations, parallax backgrounds, and shooting enemy mechanics, and many more.
- Enhanced user experience by incorporating multiple ways to earn points, introducing power-ups, and integrating diverse sound effects.

Personal Portfolio | HTML, CSS, JavaScript | [GitHub](#)

- Developed a personal portfolio web-based application that serves as a digital resume.
- Implemented a modular component-based architecture to ensure maintainability.
- Implemented styled-components and CSS to create a pleasing and responsive user interface.

TECHNICAL SKILLS

- Programming Languages:** C/C++, JavaScript, Python, HTML, CSS, NodeJS, SQL, Express
- Tools:** Git & GitHub, MATLAB, Teamcenter, TIA Portal, MS Office
- Database:** MongoDB, MySQL
- Course Work:** Data Structures and Algorithms, OS, OOPS, DBMS, Cloud Computing, Mechatronics, Solid Edge

ACHIEVEMENTS AND CERTIFICATIONS

SSP Scholar

- Selected among **200** Engineering students from across the country for **Siemens Scholarship Program Batch 8**.
- Participated in technical training at SIEMENS Technical Academy, along with comprehensive soft skills and leadership development.
- 5 Star in C++ proficiency on **Hackerrank**.
- 500+** Coding score on **GFG**.
- Outperformed 95 Percent of 1.4 million JEE Mains candidates.
- Recognized as the **school topper** throughout grades IX to XII.
- Experienced **educator** with a strong passion for teaching and instructed chemistry at Vidyapant Education for 2.5 years.
- Siemens Certified Mechatronics System Assistant (SMSCP L1)**, SITRAIN, Siemens Digital Industries.
- Siemens Solid Edge Mechanical** – Associate Level Certifications, Siemens Digital Industries

POSITION OF RESPONSIBILITIES

CLASS REPRESENTATIVE- DTU

- Represented the class for multiple subjects for a continuous period of two years, effectively bridging communication between faculty and **300+** batchmates.

Mentor at Dosh-ke-Mentor Program (Jan 2022 – Dec 2022)

Provided mentorship to 8 students, offering guidance in their diverse career exploration.