

# Aman Srivastav

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## EDUCATION

### I.K. Gujral Punjab Technical University – Jalandhar

- B. Tech in Electronics and Communication Engineering (JUNE 2024) { 73% }

### S.G. Public School – Mughal Sarai, U.P

- Intermediate in Science (2019) { 70% }
- Secondary (2017) { 75% }

## EXPERIENCES

### Web Developer at Department of Holistic Education

(OCT 2024 – MAY 2025)

- Websites were built using **Next.js**, designed to work smoothly on all screen sizes.
- **Reusable components** were created to keep the code clean, organised, and efficient.
- **Data and user interactions** were managed effectively to ensure everything runs without glitches.
- Focus was on delivering a **consistent and easy experience** across different devices.
- Clean layouts and **simple navigation** helped users find what they needed quickly.
- Followed best practices to make the websites **fast, reliable, and easy to maintain**.

### Electronics Testing at the STQC Directorate (MeitY), Mohali

(MAR 2024 – SEPT 2024)

- Ensured compliance with company guidelines and relevant Indian standards throughout the process.
- Collaboratively analysed test results to support **product refinement** and **protocol optimisation**.
- Maintained strict **quality control standards** during testing and development phases.
- Played a key role in generating **insightful, data-driven reports** based on test outcomes to guide decision-making.

### Web Developer at Cubicuss

(FEB 2024 – MAR 2024)

- Successfully completed a **1-month Web Development internship** at Cubicuss.
- Worked with **React.js** to build responsive and interactive user interfaces.
- Focused on developing **mobile-friendly layouts** and improving user experience.
- Gained hands-on experience in **component-based architecture** and modern web development practices.
- Collaborated with team members to deliver clean, well-structured, and maintainable code.

### Web Analytics Consultancy at Indian School of Business (ISB), Mohali

(JULY 2023 – AUG 2023)

- Contributed to **the transformation of a central government website** through collaboration with **NeSDA (National e-Governance Service Delivery Assessment)**.
- Focused on delivering a **user-centric design** to make the website more accessible and intuitive for citizens.
- Helped improve **citizen engagement and satisfaction** through better layout, navigation, and overall experience.
- Supported the implementation of **e-governance best practices** aligned with national digital service standards.
- Played a role in creating **a modern, efficient, and inclusive digital platform** for public use.

## PROJECTS

### PDF file Compressor

- Developed a **file compressor tool** using **Python programming**.
- Utilized the **Aspose.Words library** to efficiently compress and optimize Word documents.
- Reduced file size while preserving document quality and formatting.
- Automated the compression process for faster and more reliable results.
- Enhanced document handling efficiency for easier storage and sharing.

### Book Heaven

- Developed a **web application** to enable users to **buy and sell books online**.
- Built using **PHP** for backend development and **MySQL** for database management.
- Implemented features like **user registration, book listings, search/filter options**, and secure transactions.
- Designed a simple and intuitive **user interface** for easy navigation.
- Enabled efficient **book management and order tracking** for both buyers and sellers.
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### SAATHI (An IoT-Based Accident Detection System)

- Developed a **Web-Based Accident Detection & Tracking System** for real-time vehicle monitoring. Utilised **Arduino, GSM, GPS, and IoT modules** to detect accidents automatically.
- The system sends **real-time location coordinates** via SMS to pre-defined emergency contacts.
- Enabled **swift response and assistance** by notifying loved ones immediately after an accident.
- Aimed to enhance **road safety** and reduce emergency response time using smart technologies.

### VARUN (An Energy-Efficient Water Cooler System)

- Designed an **energy-efficient water-cooling system** to optimise performance and reduce power usage.
- Implemented **intelligent scheduling** to operate the cooler only when needed, minimising energy waste.
- Enabled **customizable temperature control** to adapt to user preferences and environmental conditions.
- Integrated a **filter replacement tracking system** to ensure timely maintenance and clean water quality.
- Achieved significant **reduction in energy consumption and operational costs**.
- Promoted **sustainability** while enhancing overall **user comfort and system reliability**.

## SKILLS

- HTML/CSS, Next.js, ESP32, ATmega328p (Arduino Uno), Git, Computer Networks, Electronics Testing & Troubleshooting

## INTERESTS

- **Reading Books** (technical and non-fiction)
- **VLSI (Very Large Scale Integration)**
- **Embedded Systems & IoT**
- **Cybersecurity & System Security**

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