Surya Partap Mittal
Bachelor of Engineering
Electronics and Communication
Thapar Institute of Engineering and Technology, Patiala

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EDUCATION

- **Thapar Institute of Engineering and Technology, Patiala** *2021 - 2025*
  Bachelor of Engineering in Electronics and Communication

- **R.M.M DAV High School, Bathinda** *2020 - 2021*
  Grade - 12, Central Board of Secondary Education, India

- **St. Xavier High School, Bathinda** *2018 - 2019*
  Grade - 10, Central Board of Secondary Education, India

PERSONAL PROJECTS

- **Human Health Monitoring System** *Jan 2024 - Present*
  A digital system to collect real time data of health parameters and alert the doctor by predicting outcomes

  – Tools & technologies used: Internet of Things(IOT), Machine Learning, Radio Frequency Identification(RFID)
  – A system that collects real-time health data such as blood pressure and pulse from patients using various sensors. The data is processed using machine learning algorithms to predict health outcomes and alert doctors.

- **Blog Site** *June 2024 - July 2024*
  A CRUD-capable blog site developed using Node.js, Express.js, EJS, and MongoDB

  – Tools & technologies used: Node.js, MongoDB, EJS
  – A web application that allows users to create, read, update, and delete blog posts and comments. Developed using Node.js, Express.js, EJS, and MongoDB, it supports full CRUD operations and provides a user-friendly interface for blogging.

- **NewsBulletIn** *May 2024 - June 2024*
  A news website that provides the latest news across various categories with a single click

  – Tools & technologies used: React.js, HTML, CSS, JavaScript, Bootstrap
  – A responsive news website built with React.js that provides the latest news across various categories like science, technology, and sports. Users can easily access news articles with a single click, ensuring up-to-date information at their fingertips.

- **TextUtils** *Mar 2024 - Apr 2024*
  A text manipulation tool built with React.js to format and process text

  – Tools & technologies used: React.js, HTML, CSS, JavaScript, Bootstrap
  – A web application that allow users to manipulate text in various ways. Developed using React.js, it offers a simple user interface

SKILLS AND COMPETENCIES

Languages: C, C++, Data Structures and Algorithms , Python, R, HTML, CSS, JavaScript, SQL
Developer Tools: MATLAB, Tanner tools, Eagle, Autocad, Keil
Frameworks: React.js, Node.js, Express.js, Pandas, Numpy, Matplotlib, Bootstrap, AI/ML
Cloud/Databases: MongoDB, Network Virtualization, Database Management Systems
Soft Skills: Communication, Team work, Adaptability, Conflict Resolution
Coursework: Artificial Intelligence, Data Structures and Algorithms, Operating Systems, Software Defined Networks, Embedded Systems, Digital and Analog Communications, Mos Circuit Designs
Areas of Interest: Reading, Music, Movies

POSITIONS OF RESPONSIBILITY

- **Volunteer,** Pratigya Abhiyan

- **Volunteer,** Indian Society for Technical Education

- **Volunteer,** LEAD

ACHIEVEMENTS

- **Letter of Completion** On completion of Web-development internship at Bharat Intern *2023*

- **Letter of Appreciation** Among top 25 campus ambassadors at Kaizen'23, NSS, IIT-Delhi *2023*

- **Letter of Participation** Attended E-conclave'21 conducted by IIT-Bombay *2021*