Swati Singh

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EDUCATION

- **National Institute of Technology, Durgapur**
  M.Tech in Computer Science and Engineering. **CGPA: 8.81**   *2021 - 2023 (Expected)*

- **Bhagalpur College of Engineering, Bhagalpur**
  B.Tech in Computer Science and Engineering. **CGPA: 8.7**   *2016 - 2020*

- **Trident Public School, Muzaffarpur**
  Senior Secondary School(CBSE). **Percentage: 87.6**   *2013 - 2015*

- **St Joseph Sr Sec School, Muzaffarpur**
  Secondary School(CBSE). **CGPA: 9.2**   *2013*

TECHNICAL SKILLS

- **Programming Languages:**
  - Proficient : C, C++, Java
  - Familiar   : Python
- **Concepts :** Algorithms, Data Structure, Computer Networks, Database Management System.

TRAININGS

- Underwent a four week summer internship on **Design and Development of a Computer Dice game** using **C** and **Graphics** at **IIEST Shibpur** under mentorship of Prof. A.K Das.

- Workshop on PHP-MYSQL-HTML-CSS Organised by Robosaphiens at **IIT Delhi.**

PROJECTS

- **Lossy Image Compression**
  - CNN based lossy image compression used to reduce the loss using weight and learning rate.
  - Model gives greater CR with appropriate PSNR value and minimum loss.

- **Text Analysis for detecting Terrorism-Related article on Web**
  - System track the webpages, which contains terrorism related information and informs admin about such discussions.
  - System is developed using ASP.Net as front end and Sql server as backend.

- **Radar System Using Arduino**
  - Developed a radar system that detects stationary and moving objects.
  - System uses radiowaves to determine characteristics of detected objects such as ranges, height, speed, angle.

- **Online Library Management System**
  - Developed using JAVA, Servlet, MySQL, CSS and HTML.
  - Maintains information about books present in the library, authors, the member to whom book issued, library staff and all.

EXTRACURRICULAR ACTIVITIES

- Won 1st and 2nd prize in Badminton and carom in Technoriti BCE Bhagalpur.
- Guided unprivileged student living near BCE Bhagalpur to crack Navodaya Entrance Exam.
- Member of TECH-TEAM at BCE Bhagalpur.
- Cordinator of event 'Autocadia' in Technoriti BCE Bhagalpur.