

Swati Singh

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EDUCATION

- **National Institute of Technology, Durgapur**
M.Tech in Computer Science and Engineering. CGPA: 8.86 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 **IEST Shibpur** under mentorship of Prof. A.K Das.
- Workshop on PHP-MYSQL-HTML-CSS Organised by Robosapiens at **IIT Delhi**.

PROJECTS

- **Prediction of the Age and Gender Based on Human Face Images Based on Deep Learning Algorithm**
 - Model is proposed to suggest nutritional food to people based on age and gender predicted from their face image.
 - System give good result on the basis of accuracy and computational complexity .
- **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.

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.