

btech109. @bit .ac.in | + - | LinkedIn

## EDUCATION

### BIT

#### B.TECH IN COMPUTER SCIENCE

- | Ranchi, India

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#### CBSE CLASS XII

- | Percentage : .

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#### CBSE CLASS X

- | Percentage : .

## LINKS

GitHub:// Swarnim112

Codeforces:// Raj112

-Solved + Questions

LeetCode://

-Solved + Questions

## SKILLS

to detail

## SKILLS

### PROGRAMMING LANGUAGES

C/C++ • Python • Javascript

### DEVELOPER TOOLS

Sublime • VS Code • Github • NPM •

Postman

### PROBLEM SOLVING

Data Structures • Algorithms •

Competitive Programming

### COMPUTER FUNDAMENTALS

Operating System • Object Oriented Programming • Database Management System • Computer Networks • Data Mining

### WEB DEVELOPMENT

HTML • CSS • JS • React JS

•NodeJS •Express JS

### MACHINE LEARNING

Supervised Learning • Unsupervised

Learning • •Model Training

## PROJECT

### RE-DACT | GITHUB REPO

Exposure : , Faker, , YoloV, EAST, ReactJS, Flask API

- Implemented a robust system to redact sensitive information. It can identify and anonymize sensitive data including names, government identifiers, financial details, dates, etc. ensuring privacy and context preservation.
- It can handle multiple formats like PDFs, Word documents, CSV files, text files, presentations, images, and videos.
- Extended 's capabilities with custom entities and fine-tuned patterns to accurately detect sensitive domain-specific data such as PAN numbers, email addresses, and financial identifiers.
- The Faker library was leveraged and fine-tuned to replace redacted entities with consistent, context-aware, and domain-relevant synthetic data for anonymized output.
- Integrated YoloV for object detection and EAST text detector to redact sensitive information in video frames, such as faces, license plates, and visible text, while maintaining visual consistency.
- Incorporated SHA- hashing to securely handle sensitive data by providing a tamper-proof mechanism, ensuring robust data security.

### BUDGET-BUDDY : DEALFINDER | GITHUB REPO

Exposure : ReactJS, NodeJS, MongoDB, ExpressJS, Postman, ,

- A Web App designed to track product prices dynamically via URLs
- Login, Signup, Forgot Password, Authentication of users.
- Add product URLs to automatically fetch details like name, price, image, and description via web scraping.
- Monitor prices every minutes and maintain a detailed price history. Interactive price-time graph to visualize price trends effectively.
- Real-time alerts for significant price fluctuations are automatically sent to users.

## ACHIEVEMENTS

- Finalist at with my team PsedoKO, ranking among just teams nationwide among participating teams, for the problem statement utilizing machine learning, and cybersecurity
- Solved more than questions on Codeforces and questions on Leetcode.
- Finalist in D3 FEST'S CRAFT-N-CODE Jharkhand Internal Hackathon.
- Fastest Fingers : Secured 1st position (Pantheon)
- Codechef contest (Starters ) Global rank - .
- Asia book of records and India book of records holder for playing for hours continuous.

## POSITION OF RESPONSIBILITY

### JOINT SECRETARY | - BIT - Present

Organised Coding Contests and Technical workshops

Problem Setter in Hackerrank Contests organised by

workshop and taught to + students, conducted the C++ Workshop and Mentored my juniors

### ( ) - Present

Orchestrated and managed a series of technical workshops and hackathons.

Responsible for managing in collaborations with various clubs such as and

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