

# KOUSHIK DASGUPTA

Software Developer · CS Bachelor

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## Career Objective

Enthusiastic & dedicated Computer Science graduate with a strong foundation in embedded and cloud-edge software development, proficient in languages like C++ and Python. Seeking to contribute in the innovative projects by integrating my skills in software design, API development, and source code management to deliver robust, high-quality solutions that enhance user experiences and meet industry standards.

## Skills

- **Programming Skills**  
C++ | Python | C | Django | JavaScript | ReactJS | MySQL | DBMS | Git | Bootstrap
- **Subjective Knowledge**  
DSA | OOPs | Cloud | Software Engineering | Agile Methodology | Computer Networks | SDLC | Software Development
- **Personal Competence**  
Communication | Problem solving | Detail oriented | Adaptability | Team work | Learning in nature

## Projects

### Automated Facial Recognition Attendance Marking System

- Developed a codebase to provide a simple and secure method to record and track attendance of students using facial co-ordinates.
- **Working:** First it takes a picture of all the authorized people and stores it in the database. The image is then mapped into a face co-ordinate structure by the system. Whenever a registered person's face is recognized, the system records the time and marks the attendance in an excel sheet.
- **Technologies used:** HTML5, CSS3, JS, MySQL, Python, OpenCV, Haar Cascade Classifier

### Sorting Visualizer

- This responsive visualizer is streamlined to simplify the working and learning of different sorting algorithms in order to approximate the time taken for unit comparison.
- **Working:** It asks for array of positive integers, then we can select for the required type of sorting we want to display and approximate the working and it performs the sorting accordingly performing and visualizing the comparisons and swaps with every run.
- **Technologies used:** HTML5, CSS3, JavaScript, ReactJS

## Experience

- **Web Designer Internship | Vedant Asset** 1 Aug, 2023 – 31 Aug, 2023  
Achieved hands-on experience in developing responsive web pages with enhanced user interactions and pioneered user-friendly interfaces ensuring consistent performance across browsers that mentored me with practical skills in web design and development.

## Education

<b>St. Xavier's College Ranchi, Jharkhand, India</b>	<b>2021 - 2024</b>
<ul style="list-style-type: none"><li>• B.Sc. (Hons) Computer Application</li><li>• CGPA: 7.3</li></ul>	
<b>T.P.S.D.A.V. Public School, Baharagora, India</b>	<b>2019 - 2021</b>
<ul style="list-style-type: none"><li>• AISSCE (Class XII),</li><li>• Percentage: 87.6%</li></ul>	
<b>T.P.S.D.A.V. Public School, Baharagora, India</b>	<b>2018 – 2019</b>
<ul style="list-style-type: none"><li>• AISSE (Class X)</li><li>• Percentage: 93.5%</li></ul>	