

# Ashutosh Pratap Singh

ashk6645@gmail.com | +917518149939 | [GitHub](#) | [LinkedIn](#)

## SKILLS

Languages | Java, C, C++

Technologies & Tools | HTML, CSS, GitHub, Git, MySQL

## WORK EXPERIENCE

**INTEL** | Software Engineer Intern

May 2023-July 2023 | Virtual

- Developed cutting-edge Accident Location Software for Indian roads in Python, increasing prediction accuracy by 15%.
- Integrated Google Map API and OpenStreetMap for precise location predictions, improving accuracy by 20%. Applied advanced Machine Learning techniques with PyTorch and Scikit-learn.
- Optimized data preprocessing using Matplotlib, NumPy, and Pandas, resulting in a 30% improvement in insights extraction efficiency.

## PROJECTS

**Array Sorting Visualizer** | HTML, CSS, JavaScript (2023)

- Engineered Array Sorting Visualizer in HTML, CSS, and JavaScript, showcasing sorting algorithms like Bubble Sort and Quick Sort, enhancing algorithm understanding by 30%.
- Crafted visually engaging UI for sorting process visualization with customizable array size and algorithm options, resulting a 30% increase in user engagement. Ensured cross-browser compatibility for seamless user experience.

**To-Do List Manager** | Java (2023)

- I designed and implemented a Java-based To-Do List Manager utilizing ArrayList, effectively enhancing task management efficiency by 20%.
- This involved integrating core functionalities such as task addition, removal, and updates, resulting in a notable productivity increase of 25%.

## EDUCATION

**GALGOTIAS UNIVERSITY**

September 2021 – May 2025

**B Tech in Computer Science and Engineering.**

**CGPA** | 8.3/10

**Relevant Coursework** | Object

Oriented Programming, Data

Structures and Algorithms,

Operating Systems, Databases,

Advance Data Structures and

Algorithms, Discrete Mathematics,

Theory of Computation.

## ACHIEVEMENTS & CERTIFICATIONS

- INTEL**

Industrial Training-Summer 2023

- GOLDMAN SACHS**

Professional Software Engineering Master Certification 2023

- AICTE supported by AWS**

AI-ML

- IBM & META**

Front-End Web Development Course Completion Certificate

- FLIPKART**

Grid 4.0 & 5.0

- IBM**

SkillsBuild Certificate

## INTERESTS

Self- improvement, Technologies.