

# MUKUL KUMAR

Computer Science Engineer

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[GitHub](#) | [Linkedin](#) | [LeetCode](#)

## EDUCATION

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### Galgotias University

Computer Science Engineering Bachelor

CGPA: 8.56

Greater Noida

Oct 2022 - Jul 2026

### St. Mary's School

CISCE

Percentage: 86.2%

Najibabad

2020 - 2021

### St. Mary's School

ICSE

Percentage: 89.6%

Najibabad

2018 - 2019

## SKILLS

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Programming Languages: Java, HTML/CSS, React

Libraries/Frameworks: Javascript

Tools / Platforms: VS Code, GitHub

Databases: MySQL

## PROJECTS / OPEN-SOURCE

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### Sorting Visualizer | [Link](#)

HTML/CSS

- Designed a dynamic sorting visualizer for Bubble, Merge, and Quick Sort.
- Implemented real-time animations for better algorithm understanding.

### Banking System | [Link](#)

Java, JDBC, MySQL, OOPS

- Built a Java-based CLI banking system using OOP principles supporting account creation, deposits, withdrawals, fund transfers, and balance checks.
- Implemented authentication, security PIN validation, and persistent data storage in MySQL through JDBC with prepared statements to ensure secure SQL operations and prevent SQL injection.
- Designed modular services for User, Accounts, and Transactions with reusable DB utilities, unique account number generation, and transaction integrity checks for scalable and maintainable architecture.

### Android App Object Detection | [Link](#)

YOLOv8, Python, TF Lite, Android Studio, Java/Kotlin

- Trained a custom YOLOv8 model and exported it in .tflite format for mobile deployment.
- Integrated the model into an Android app using TensorFlow Lite for real-time object detection.
- Configured and deployed the application using Android Studio, achieving efficient on-device inference.

## CERTIFICATIONS

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- Java Foundation Certificate
- Software Engineering Course(NPTEL)

## HONORS & AWARDS

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- Secured 6th position among 300+ in Smart India Hackathon teams by developing a scalable tech solution addressing a real-world problem, demonstrating innovation, teamwork, and presentation skills.
- Achieved 2nd place at the UP International Trade Show 2024, for exhibiting a pollution detection project using drone technology; recognized for technical excellence and awarded by the Union Minister of Textiles.
- Served as Club Head of the college music society, performing as a bassist and singer and providing hands-on music training to 50+ students.