

# Harsh Kumar

harshkumarjha2610@gmail.com | 8920669639

## EXPERIENCE

### ALGOLOG SYSTEMS | SOFTWARE DEVELOPER INTERN

Feb 2025 – May 2025 | Greater Noida, UP

- Developed and maintained React Native applications, contributing to strategic product development and continuous improvement initiatives.
- Integrated Socket.IO with a Node.js and Express.js backend, allowing the dashboard to receive and display live data such as new user registrations, order status, or activity logs.
- Used Node.js and Express.js to design and build secure, scalable RESTful APIs that handled user registration, login, and location data processing.
- Authentication was implemented using JWT, and data was stored in a MongoDB database, ensuring seamless frontend-backend integration and reliable data management.

### OPTIONTOWN | SOFTWARE DEVELOPER INTERN

Jan 2025 – Feb 2025 | PITAMPURA DELHI, XX

- Coordinated with multiple departments to lead a software product evaluation resulting in a fit-for-purpose verdict and provided a recommendation on moving forward.
- Organized meetings with the vendor to receive in-depth product information and answers to cross-departmental questions.
- Collaborated with senior developers in debugging, testing, and improving backend code for better reliability and scalability.
- Gained hands-on experience in database management using MySQL and optimized server-side logic for efficient data processing.

### COLLEGE X CONNECT | DATA ANALYST INTERN

Aug 2024 – Oct 2024 | Delhi, XX

- Interacted with clients to assess their problems and implement a solution in an efficient, friendly manner.
- Managed MongoDB databases with efficient schema design and smooth CRUD operations.
- Created scripts to automate common tasks and increase productivity.

## PROJECTS

### PRESCRIPTION READING OCR | PATH-PLANNING LEAD

Jan 2025 – Present | Delhi, XX

- Spearhead the development effort for the path-planning functionality of a team of three robots.
- ROS provides movement servers and the planning is being implemented in Python to allow for fully-autonomous operation.

### AI-BASED MULTIPLAYER QUIZ GAME | PROJECT FOR

#### DISTRIBUTED CLIENT-SERVER PROGRAMMING

Jan 2024 – May 2024 | Delhi, XX

- Lead the development of Chit Chat, Socket.IO enables real-time multiplayer communication and game state synchronization.
- MERN Stack (MongoDB, Express.js, React, Node.js) is used for building the full-stack architecture.
- OpenAI API (GPT-4) is integrated to dynamically generate quiz questions based on categories and difficulty.

## EDUCATION

### MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE  
completed June 2025 | Rohini, Delhi  
Dean's List (All Semesters)  
Cum. GPA: 8.5 / 10.0

## SKILLS

### PROGRAMMING

1+ years:  
JAVA • C/C++  
1+ years:  
REACT JS • JavaScript  
0+ years:  
SQL • R • python

### TECHNOLOGY

Git/Github • AWS • Linux  
UNIX • Windows • ROS  
Artificial Intelligence • Automation

## ACHIEVEMENTS

All India rank 68000 in JEE Mains  
Solved 200 QUS in LeetCode