

Harsh Kumar

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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