





Gobind Kumar

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 Gobind147

EXPERIENCE

Quest Global | Bangalore

Sep 2023 - Present

Senior Engineer

- Developed efficient algorithms and optimize existing codes in C++ and Python, resulting in a significant reduction in runtime and resource usage
- Designed an integrated solution using Python, MySQL, and Excel to automate and streamline data processing and reporting, reducing manual data handling and improving accuracy.
- Developed and implemented automation scripts using Python & AutoLISP, significantly reducing manual effort and achieving lean improvements ranging from 35% to 68%
- Designed and implemented a dynamic dashboard with visually enhanced data tables and interactive charts, improving user experience and data accessibility using HTML, CSS, JavaScript, ExpressJs, NodeJs and ChartJs

Coding Ninja | Remote

Jul 2022 – Dec 2022

Teaching Assistant

- Taken doubt sessions and Debugging codes in Java

SG Technologies | Remote

Dec 2021 – Feb 2022

Software Intern

- Developed and optimized computer vision projects using OpenCV, implementing object detection algorithms.
- Implemented aspect ratio and area-based filtering, significantly improving the accuracy by reducing false positives and ensuring only contours were highlighted.

EDUCATION

Indian Institute of Technology, Kharagpur

Kharagpur, India

M.Tech, Mechanical Systems Design. CGPA: 7.99/10.00

2021 – 2023

Cochin University of Science and Technology

Kerala, India

B.Tech, Mechanical Engineering. CGPA: 8.02/10.00

2014 – 2018

PROJECTS

Shopping Cart | HTML, CSS, JavaScript | LINK

- Developed a dynamic cart using JavaScript, which included features for adding, updating, and removing items
- Designed a responsive user interface using HTML & CSS, dynamically updating the cart's item count and total cost
- Developed real-time cart update features that dynamically reflect changes in item quantities and total costs, providing users with immediate feedback and a seamless shopping experience

Task Manager API | Node Js, Express Js, MongoDB | LINK

- Developed a Task Manager API using Node.js, Express, and MongoDB, enabling CRUD operations for efficient task management
- Ensured high code quality by incorporating error handling, validation, and asynchronous operations, enhancing the application's reliability and performance

Lateral and Logitudinal Control of Self Driving Vehicle | Python | LINK

- Designed and implemented a PID controller for lateral control, achieving precise steering maneuvers and maintaining lane centering in various driving conditions
- Developed a longitudinal control system using adaptive cruise control techniques, ensuring safe following distances and smooth acceleration and deceleration

TECHNICAL SKILLS

Languages: C++, C#, Java, Python, HTML, CSS, JavaScript

Database: MySQL, PostgreSQL, MongoDB

Frameworks/Libraries: NodeJs, ReactJs, ExpressJs, OpenCV, NumPy, Pandas, ChartJs

Developer Tools: Git, Github, VS Code

Coding Profiles: Leetcode - 1507 Rating LINK, Geeksforgeeks - LINK, Codechef - 1425 Rating LINK, Github - LINK

LEADERSHIP ROLE

General Secretary, Sports and Games | Indian Institute of Technology, Kharagpur

August 2022 – June 2023

- Managed a sports budget of INR 15.1+ Lakh
- Organised 9 Intra-Hall events for 2200+ boarders of Pt. MMM Hall of Residence

Teaching Assistant | Indian Institute of Technology, Kharagpur

July 2021 – April 2023

- Taken doubt sessions and evaluation of assignments