

Himanshu Kumar Siddharth

Bangalore ✉ hksiddharth185@gmail.com ☎ +91 8271392632 🌐 www.linkedin.com/in/himanshu-kumar-siddharth-55738a22a

EXPERIENCE

Backend Developer : Namaste Credit | Bangalore, India

June 2023 - Present

- Developed **scalable** and **dynamic** RESTful APIs using Node.js and Sails.js, optimized backend codebase, enhancing **system scalability** and performance by reducing API response times by **30%**.
- Integrated **Redis** for caching, enhancing system performance by reducing database load and improving response times by 50%.
- **Independently** managed **client** requirements, analyzing and integrating them into the system architecture, resulting in a 30% increase in client satisfaction and project completion efficiency.
- Developed and integrated **middlewares** to streamline authentication and **authorization** processes, improving security and enhancing user management functionalities.
- Successfully **maintaining** and developing 4-5 concurrent projects, ensuring project deadlines are met and aligning development efforts with business objectives.
- Solely responsible for **mentoring** and guiding 2 to 3 interns, fostering their technical skills in Node.js and Sails.js, resulting in accelerated project delivery and a cohesive team environment.

PROJECTS

Autonomous Driving Vehicle

February 2023 - April 2023

College Project

- Developed a prototype of autonomous driving vehicle using **Raspberry Pi**, integrating advanced **computer vision** algorithms for real-time lane and line **detection**, animal detection, traffic light recognition, zebra crossing identification, and object detection.
- Overcame challenges such as optimizing algorithms for real-time performance on Raspberry Pi's ARM architecture, achieving efficient processing using Python and **OpenCV** libraries.
- Implemented a robust sensor fusion system combining camera input with ultrasonic sensors for obstacle detection and avoidance, enhancing vehicle safety and **navigation** capabilities.

Object Detection System

January 2023 - February 2023

College Project

- Developed an object detection system using **OpenCV** and Python, capable of real-time detection and **classification** of objects in **images** and **video streams**.
- Implemented state-of-the-art deep learning models for achieving high accuracy in identifying and localizing multiple objects simultaneously.
- Integrated the system with a user-friendly interface, enabling users to interactively test demonstrating versatility and usability.

Job Manager Application

September 2023 - October 2023

Self Learning Project

- Developed a Job Manager Application using **Node.js** and **Express**, featuring robust **authentication** and authorization functionalities along with RESTful APIs for CRUD operations enabling secure user access and data protection.
- Integrated **middleware** for request validation and error handling, ensuring data integrity and improving **application reliability** by 30%.
- Designed and implemented user registration and login systems with encrypted password storage, adhering to industry best practices for user authentication and session management.
- Utilized **MVC architecture** to maintain code organization and scalability, facilitating future enhancements and code maintenance.

SKILLS

Programming Languages: Javascript, Python

Frameworks : Express.js, Sails.js

Frontend : HTML, CSS

EDUCATION

B.M.S. Institute Of Technology and Management

Aug 2019 - May 2023

Bachelor of Engineering in Electronics and Communication • CGPA - 8.2
