

Dhananjay Kumar Sharma

+91 9162358813 • dhananjayece244@gmail.com • [linkedin.com/in/dhananjay-kumar-sharma-82b7bb98](https://www.linkedin.com/in/dhananjay-kumar-sharma-82b7bb98)

Software Development Summary

- Over **4.5 years** of dedicated experience in **backend software development**.
- Proficient in developing **REST APIs** using the **.NET Core framework**.
- Contributed to developing a **health monitoring framework** for **Oracle Cloud Services**.
- Extensive **tech-stack** expertise, including C, C++, C#-DotNet, and Python.
- Consistently received an **exceeded expectations** rating over the last 4 years.
- Demonstrated **leadership** by effectively managing and guiding a team of 5-10 junior colleagues.

WORK EXPERIENCE

Oracle • Bangalore, India • 11/2021 – Present

Senior Member of Technical Staff

- Implemented a comprehensive framework for tracking and reporting Oracle Linux System resource usage, resulting in improved decision-making and resource allocation.
- Streamlined resource monitoring process resulting in a 35% reduction in downtime through the development of an Event Framework.
- Improved customer satisfaction by developing a plugin to relay event details in Cloud Event Format, collaborating with cross-functional teams.
- Developed a robust system load generation platform, enabling thorough testing of critical system components and improving system stability by 50%.
- Improved system resource analysis on the OCI-Monitoring platform by developing the OCI-Metrics plugin for time-series analysis.
- Domain: Oracle-Linux-System Resource Analysis, OCI-Cloud Services, C++, Python.

Tesco • Bangalore, India • 08/2019 – 11/2021

Software Developer

- Developed REST APIs using .NET Core framework, achieving 99% uptime and reducing API response time by 30%, resulting in increased customer satisfaction.
- Developed advanced Distributed Tracing model for 100+ microservices, leading to 50% increased efficiency and 25% reduced error rates in log data visualization.
- Streamlined team collaboration by orchestrating timely and efficient scrum-meeting reminders in Microsoft Teams using a dynamic WebHook.
- Leveraged Splunk & AppDynamic to deeply analyze complex log data, resulting in a 50% reduction in system errors & improved decision-making.
- Domain: REST-API Development, Distributed Log Tracing, Microservices, Dotnet-C#, JavaScript.

EDUCATION

Master of Technology in Computer Science Engineering

Indian Institute of Technology, Bombay • Mumbai, India • 07/2017 – 07/2019

Bachelor Of Technology in Electronics and Communication Engineering

National Institute of Technology, Jamshedpur • Jamshedpur, India • 07/2011 – 06/2015

Bike Safety Enhancement with Sensor Technology

IIT Bombay

- Enhance bike safety by curbing mobile phone usage during rides and detecting risky driving behavior like over-speeding and frequent lane changes.
- Analyzed accelerometer, gyroscope, and GPS sensor data, enabling accurate classification of transportation modes such as walking, cycling, motorbiking, driving, and bus travel.
- Employed advanced machine learning models like SVM and RNN to precisely classify transportation modes using mobile sensor data.
- Designed and developed a user-friendly mobile application that serves as a practical solution for promoting bike safety on the road.
- Technology: Mobile Sensors, machine learning(SVM, RNN, LSTM).

Multi-Tier E-Commerce System Development

IIT Bombay

- Designed and meticulously developed an e-commerce platform employing a robust multi-tier client-server architecture.
- Implemented a responsive multi-threaded front-end server, proficiently handling concurrent user requests.
- Implemented a custom load generator to detect the bottleneck component in the open and closed loop system.
- Catalyzed a system-wide performance boost by transitioning from SQLite to Redis, catapulting throughput from 22 to 3200 requests per second.
- Technology: C++, Redis, SQLite, Multi-Threading.

Accident Detection and Location Tracking System

IIT Bombay

- Conceptualized and crafted an accident detection module, employing accelerometer data and the AndroidLibSVM library within Android Studio. This innovation proficiently classified accidents and non-accident events.
- Executed a location-fetching module, skillfully utilizing SMS services and phone numbers to obtain target device locations.
- Implemented a dynamic live-location tracking feature, expertly harnessing GPS and Firebase technologies for real-time monitoring.
- Technology: AndroidLibSVM, Firebase, GPS, SMS service.

SKILLS & INTERESTS

C++, C#, Python, Bash, Dotnet-Core, Docker, Kubernetes, Splunk, AppDynamic, Linux, OCI-Cloud, Git, Jenkins, Monitoring and Logging, GraphQL, API-Development, Backend-Development, Cloud-Technology, Core-Linux-System, Distributed-System