

# Nishant Routray

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## SKILLS

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**Languages:** C/C++, Java, JavaScript, HTML/CSS, SQL, Linux

**Framework/Libraries:** React, Redux, Spring Boot, Apache Kafka, JDBC, Node.js, Express, REST, J2EE, Git

## EDUCATION

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### Master of Science: Computer Science

University of Florida, Gainesville

Aug 2023-Jun 2025

Relevant Coursework: Analysis of Algorithms, Advanced Data Structures, Distributed Operating System

### Bachelor of Technology: Computer Science

Veer Surendra Sai University of Technology, Burla

CGPA: 8.8/10

July 2016-July 2020

## EXPERIENCE

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### Fullstack Developer

Aug 2020 – July 2023

Credit Suisse

Pune, India

- Member of Regulatory Reporting Services team where I worked in developing the reporting streams for AMER jurisdictions. The role includes development of various micro-services components using **Spring Boot** from rule engine, report generator, reporting engine to health check monitoring which looks into the successful reporting of more than 1M trades/day from upstream to downstream regulators such as DTCC. Involves thorough performance testing in UAT to handle such huge volumes followed by successful deployments into PROD servers.
- Designing and developing a **React** based UI for the business users where they can monitor the live status and SLA breaches of each trade since go-live. The portal generates various reports everyday according to business requirements. The dashboard uses cache to load the live current day data, which could handle more than **1M** trades info and **performance** was much higher as compared to previous portals.
- Developed an archival component which would continuously migrate 2 months older data at EOD from Oracle DB to **SybaseIQ** by considering the partitioning position to maintain the size of the DB and maintain smooth performance. Finally, the Oracle DB was decommissioned post migration saving us **100K CHF**.
- Former member of low latency PI Market Data Team where I was focused on **Node.js**, **Express** and **React**, with Oracle and **InfluxDB** integration which was used for **Grafana** dashboard. Developed an event-driven live web app which can schedule the start/stop of all processes mentioned in the config without logging into the Linux hosts and helps to keep a track of status of the process and control them from UI as well as read log files.

### Summer Research Intern

May 2019 – Dec 2019

SWAN Lab, Indian Institute of Technology

Kharagpur, India

- Using Game Theoretic approach, to find a way to have highest packet-delivery with minimum latency and least energy consumption among the nodes in underwater wireless sensor networks. Based on the equations formulated, simulation was doing using NS3 and coded in **C++**.

### Digital Marketing Summer Intern


May 2018 – June 2018


Editsoft Digital - Worked in SEO, Social Media Marketing, Pay Per Click

New Delhi, India

## PROJECTS

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**Smart Traffic Management and Accident Detection**  | Deep Learning, Image Processing, OpenCV | Analyze the congestion using TensorFlow Count API on the cross-section and efficiently control the traffic signals

**Solving Human-Elephant Conflict - Image Recognition and Buzzing Bee Sound**  | Cameras detect elephants near susceptible zones and play buzzing sound which prevents them from encroaching human territory

## ACHIEVEMENTS AND CERTIFICATION

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Solved 100+ Problem in Leet Code 

Recipient of the University of Florida's Academic Achievement Award for outstanding undergraduate performance

Branding Head of Global Coding Challenge 2022, Credit Suisse

3rd Prize Winner at UtkalHacks 1.0, 2019 conducted at Ravenshaw University

Finalist of VSSUT Innobuzz Hackathon, 2019

ORACLE Certified JavaEE6 Web Component Developer