

# Saravanan, Ratish Kumar

Portfolio | LinkedIn  
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## SKILLS

### CERTIFICATIONS

Java SE 11 (Oracle Certified) • Web Development (Udemy) • Ethical Hacking (Udemy) • AWS • Postman API

### PROGRAMMING

Over 5000 lines:

Java • PL-SQL • Python • Javascript  
C/C++ • Matlab • HTML •  $\text{\LaTeX}$

Over 1000 lines:

Node.js • Express.js • CSS • TypeScript •  
VBA macros

### FRAMEWORKS

AngularJS • Docker • Spring boot •  
Hibernate ORM Postman API • NumPy •  
Pandas • ReactJS

### TOOLS

GitHub • Jenkins • Bit bucket • RLM •  
Oracle SQL developer

### APIS AND DATABASES

Rest API • Graph QL • Oracle DB •  
MySQL • MongoDB

## EDUCATION

### NC STATE UNIVERSITY

MASTER OF COMPUTER SCIENCE  
Aug 2023-May 2025 | Raleigh, NC

### ANNA UNIVERSITY

BE IN ELECTRICAL AND ELECTRONICS  
Aug 2017-Aug 2021 | Tamil Nadu, India  
SSN College of Engineering  
Cum. GPA: 3.84 / 4.0

### CHETTINAD VIDYASHRAM

High School CBSE 2017 92.3% | Tamil  
Nadu, India

## COURSEWORK

### GRADUATE

Design and Analysis of Algorithms  
Automated Learning and Data Analysis  
Software Engineering

## ACHIEVEMENT

Reduced 154lbs of weight and  
maintaining fitness

## EXPERIENCE

### LTIMINDTREE | SENIOR SOFTWARE ENGINEER

Aug 2021 - July 2023 | Chennai, India

- Developed **Citi Corp's** Nexis payload transformation jobs using **java, hibernate, PL-SQL and multi-threading** with Executor Service with improved efficiency.
- Revamped the existing business logic devised in java into Oracle stored procedures to decrease the run time by **half**
- Controlled CI/CD pipeline support with **Jenkins, Release Life cycle management** to optimize the code hosting time to **10 minutes**
- Practiced Agile Methodology to provide Deliverable **50%** faster than existing Waterfall Software Development model
- Earned the **highest performance rating** of **3 star** for the year 2022-2023 by exceeding the goals set by the organization.
- Trained in **Java Full Stack Web Development** and gained hands on experience with an online Banking project.
- Interviewed **10** experienced java candidates by being a part of LTIMindtree panel interviewers.
- Populated **Power BI dashboards** generating 15 Service Now reports

### TATA CONSULTANCY SERVICES | SOFTWARE ENGINEERING INTERN

June 2020 - July 2020 | Chennai, India

- Crafted **Docker container** for application development using java stack.
- Implemented a **micro-services** based Java application using a Docker file to create Docker images.

### DANFOSS INDUSTRIES | ELECTRICAL ENGINEERING INTERN

Nov 2018 | Chennai, India

- Analyzed **Single Line Diagrams** and Managed work shop software for underlying Drive assembly.
- Presented overview of the **Variable Frequency Drives** and automation development idea to **General Manager- manufacturing**.

## PROJECTS

### JAVA FULL STACK WEB APPLICATION | LTIMINDTREE

- Developed and deployed a **Java full stack** using AngularJS, SpringSTS, and Oracle DB
- **Lead the team** and presented the project at the meeting of LTIMindtree

### WEB 3.0 APPLICATION | UDEMY

- Implemented an **ethernet compound generator** using Motoko (an Internet computer scripting language) and Definity
- Focused on **generating interest on ICP tokens based on users borrowing time**. Executed within an Ubuntu Windows WSL or VM

### MACHINE LEARNING-DATA MINING | ALDA

- Created a **Supervised ML Classifier** utilizing the ENRON Email dataset with 150 users to accurately predict email authors
- Engineered features for email repudiation and fraud detection, employed Decision Trees, Word Embeddings and assess model scalability to determine author accuracy through writing style analysis