

# RATISH KUMAR SARAVANAN

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## EDUCATION

### North Carolina State University, NC, USA

Aug 2023 – Anticipated May 2025

Masters in Computer Science

**Courses:** Design and Analysis of Algorithms, Automated Learning and Data Analysis, Software Engineering

### SSN College Of Engineering, Anna University, Chennai, India

Aug 2017-Aug 2021

Bachelor of Engineering in Electrical and Electronics Engineering | **CGPA: 8.77/10 or 3.84/4.0**

**Courses:** Python Programming, Object Oriented Programming, C Programming, Probability & Statistics, Data Structures

## CERTIFICATIONS

- **Java Standard Edition 11 Oracle Certified Professional**. (OCP)
- The Complete 2023 **Web Development Bootcamp-Udemy**
- Learn **Ethical Hacking from Scratch-Udemy**
- **AWS** technical accreditation- **LTIMindtree partner certification** program
- **Postman API** fundamentals Student Expert

## PROFESSIONAL EXPERIENCE

### LTIMindtree

Chennai, Tamil Nadu, India

#### Senior Software Engineer

Dec 21 - Jul 23

Jun 22 - Jul 23

- ❖ Non-Employee X Integration Services (Nexis) **Citibank** Java Backend Developer
  - Developed Nexis payload transformation jobs using **java**, **hibernate** and **Oracle Database** which ran **20%** faster than the existing job
  - Revamped the existing business logic devised in java into **Oracle stored procedures** to improve the run time by **60%**
  - Reengineered Nexis Worker download job using **multi-threading** with **Executor Service** to reduce the total job run time by **50%**
  - Coordinated continuous support with **Jenkins**, **Release Lifecycle Management** to optimize the code hosting time to **10 minutes**
  - Earned the **highest performance rating** of **3 star** for the year 2022-2023 by exceeding the goals set by the organization
- ❖ Strategic Solar(S2) **Citibank** Data Analyst
  - Created **3** automated trackers using **Excel VBA macros** and displayed the result in **Confluence** page for the monthly SLA reviews
  - Refined and populated **Power BI** dashboards and generated **15 ServiceNow** reports based on SLA for incidents and problem

Feb 22 - May 22

### LTIMindtree

Chennai, Tamil Nadu, India

#### Graduate Engineer Trainee

Aug 21 – Nov 21

- Equipped in **Java Full Stack** Web Development and gained hands on experience with an online Banking project in **1 Month**
- Interviewed **10 experienced java candidates** by being a part of **LTIMindtree panel interviewers**

### Tata Consultancy Services

(Remote Intern)

#### Software Engineer Intern

Jun 20 - Jul 20

- Engaged in **45 hours** project on **develop Docker container for application development using java stack**
- Deployed a **microservices-based** Java application using a Docker file to create **Docker images**

### Danfoss Industries

Chennai, Tamil Nadu, India

#### Electrical Engineering Intern

Nov 18 - Nov 18

- Audited the Drive Manufacturing section, inspecting **80 Variable Frequency Drives (VFDs)**
- Formulated a comprehensive **presentation** for the **general manager** of a **50-member team** in the **manufacturing** section

## TECHNICAL SKILLS

**Programming Languages and Technologies:** Java, C, Python, C++, Motoko, Html, CSS, JavaScript, Bootstrap, Node.js, Web3, Blockchain, JDBC, MySQL, Oracle SQL developer, MongoDB, Kali Linux, Internet Computer (ICP), Ubuntu

**Software & Frameworks:** AngularJS, Express JS, Dfinity, Git, Bitbucket, Jenkins, Docker, SpringSTS, Hibernate ORM

## PROJECTS

- ❖ **Online Banking Application- Project presented at the meeting of LTIMindtree, India-Full Stack Web application**
  - Developed and deployed a **Java full stack**, **Angular**, **SpringSTS**, and **Oracle DB** application
  - Streamlined online banking transactions, user management, and administration, resulting in **100%** travel **efficient** ways for user transactions
  - Project live link-**BANK ABC** ([ratishkumar-iti-bankingapplication.netlify.app](https://ratishkumar-iti-bankingapplication.netlify.app))
- ❖ **Decentralized Finance Application- Web 3.0 application**
  - Implemented an **ethernet compound generator** using **Motoko** (an Internet computer scripting language) and **dfinity**
  - Focused on generating interest on **ICP tokens** based on users borrowing time. Executed within an **Ubuntu Windows WSL** or **Virtual Machine** environment
  - Provided a security level **2 times** higher than that of a typical full-stack web application
- ❖ **Daily Performance Tracker- Full Stack MEEN Web application**
  - Conceived a full stack **MongoDB**, **Express**, **Embedded JavaScript** and **Node JS(MEEN)** application which makes users day productive by **50%**
  - Established **2 different sheets** for professional and personal life tasks
  - Project live link-<https://todo-listv2.onrender.com/>