

RATISH KUMAR SARAVANAN

No 45,4077, Appaswamy Mapleton Apartments, Velachery Tambaram main road, Pallikaranai, Chennai- 600100

LinkedIn: <https://www.linkedin.com/in/ratishkumars/>

Github: <https://github.com/RatishkumarS>

Email: ratishkumar1999@gmail.com

Phone: +91 7338814236

OBJECTIVE:

I want to pursue a Masters in Computer Science to further my personal development by gaining hands-on experience with unique technological expertise. After finishing my master's degree, I hope to work in web development and as a software engineer, research new technologies in the market, and serve the country that provided me with a quality education.

EDUCATION:

BE in Electrical and Electronics Engineering, SSN College Of Engineering, Chennai (2017–2021) CGPA 8.77

RELEVANT COURSES:

Problem solving and Python programming, Object Oriented Programming, Introduction to C programming and Data Structures, Probability and Statistics

WORK EXPERIENCE:

LTI (Larsen and Toubro Infotech), Chennai Senior Software Engineer (Aug 21- Present)

- Trained in Full Stack Web Development with hands-on experience in AngularJS, SpringSTS, Eclipse IDE, Hibernate, Oracle DB and Postman.
- Got certified through Oracle Corporation in Java SE11 Oracle Certified Professional.
- Working in the Banking and Financial Services industry for a customer- CITI.
- Worked on renewing and populating Power BI dashboards with relevant and essential data. Also dealt with Excel VBA automation and macros, ServiceNow report generation.
- Working in the Nexis (NonEmployee X Integration System) project with Spring MVC using Eclipse as IDE and using JAVA programming language to perform server side programming to develop DataHub dashboards and NEXIS Payload transformations(logic behind each worker jobs).
- Performed Java Code Documentation for Java code migration to PLSQL. .
- Wrote efficient PL-SQL procedures to dynamically create views by performing inner joins with multiple CITI internal tables to submit a report through GDPR jobs in NEXIS project. Complete understanding of writing procedures, creating tables and performing Database operation in SQLDeveloper.
- Used all principles of Software Development Life Cycle workflow(DEV,SIT,PROD,COB) to develop the code and build the code using Jenkins.
- Gained a wider picture of how Docker is used to develop containers and docker images.
- Designed and built code, which was then deployed in Jenkins and SonarQube (Issue analyzing tool).
- Hands-on experience with Bitbucket (git repository) commit, push, and pull by syncing Eclipse IDE with Bitbucket. Designed and performed Junit testing using Mockito Framework.

INTERNSHIPS:

Tata Consultancy Services iON, Chennai Student Intern (June, 20- July, 20)

- Worked on a project to develop a docker container using java for microservices based applications. I made a student database system and worked it out in docker.
- Understanding of Docker Container and images.
- Worked with industry level experts to enhance my java skill in a practical environment.
- Skills: Docker container deployment strategy, Spring Boot, Java Programming,

- Learned how the drives are built, where the parts are being manufactured and how they transport parts from different parts of the world and put them together to make it as one whole drive.
- Understood the implications of a single line diagram in the real world scenario.
- Skills: SLD,VFD mechanism,Presentation skills, MNC work culture.

RELEVANT PROJECTS:

- **RATISH KUMAR, al.** (Sep, 21 - Oct, 21). *Online Banking Application*. Project presented at the meeting of Larsen and Toubro Infotech,India.
 - ❖ Description: A full stack application that is used to perform all online banking functions such as crediting and debiting money from one user's account to another. It also allowed you to add users, beneficiaries, and administrators. Technologies used: HTML, CSS, Typescript, AngularJS, JAVA, SpringSTS, JPA hibernate, Oracle DB, Postman Project-live-link:<https://ratishkumar-lti-bankingapplication.netlify.app/>
- **RATISH KUMAR, al.** (Jun, 21 - July, 21). *Ratish Kumar S personal portfolio*.
 - ❖ Description:Developed a react application based on a modern template that showcases various projects and applications I build using various technologies.Please have a look at the demo live portfolio application using the hyper link given below. <https://ratishkumarsportfolio.netlify.app/>
- **RATISH KUMAR, al.** (July, 18 - July, 21). *A Solid State Transformer Based Hybrid Wind Energy-Fly Wheel Energy Storage System*. Project presented at the meeting of SSN College Of Engineering,Indiai.
 - ❖ Description: As wind farms (WFs) become more common, energy storage devices will be needed to dynamically compensate for intermittency and increase power system stability. This technology is being developed as a backup power conditioning approach for wind energy-fed voltage source converter HVDC transmission systems. It's a MATLAB/SIMULINK model of a FESS with an SST interface.
- **RATISH KUMAR, al.** (Dec, 19 - Feb, 20). *A Low Cost Waste Management System*. Project presented at the meeting of SSN College Of Engineering,India
 - ❖ Description: The goal is to convert organic waste into manure, lowering methane emissions caused by regular landfills. The project is planned to be a very efficient model for having a contemporary waste management system to solve the challenges that rural communities experience with waste segregation. Technologies used: HTML, CSS, C programming (Arduino Micro controller)

TECHNICAL CERTIFICATION/PAPERS/PUBLICATIONS/WORKSHOPS OR SEMINAR ATTENDED:

- Ethical Hacking from Scratch- Udemy. (May- 2023)
- Tutored a bunch of students on JSP and servlets with practical sessions during weekends. (March- 2023)
- AWS technical accreditation on EC2, S3 and cloud- LTI Mandatory Training. (Feb- 2023)
- Completed Oracle Certified Professional Java SE11 Developer-Oracle Certification. (Oct-Nov 2021)
- Participated in LTI java full stack training. (Aug-Sept 2021)
- Participated and completed AWS-Elastic Cloud Computing Certification. (June-2020)
- Participated and completed AWS-Internet of Things Certification. (June-2020)
- Completed course on Programming for Everybody-Python in coursera-Michigan UnivSSSSersity. (June-2020)
- Participated and completed Tata Consultancy Services (Knockdown the lockdown course)- Soft skill development. (April-June, 2020)
- Participated in workshop "A hands-on approach for design of Power converters and magnetics". (Sept 2019)
- Participated in "National Level workshop on Industrial Automation Using PLC and SCADA". (Feb 2019)
- Attended Vector Art and Poster Design using Adobe Illustrator workshop, IEEE and SSN Design club. (Jan 2019)

ACTIVITIES AND AWARDS:

- Participated in Infosys Coding competition and stand past first round. (April 2020)
- Participated and stand regional level round in AICTE national level project competition for improvement of rural livelihood. (Dec 2019 - Feb 2020)
- Demonstrated Our Internal Funded College Project on the innovation day of our college. (Dec 2019)
- Participated in College symposium and won cash prize of 9000INR with a team of 3 people. (Aug-2019)
- Volunteered a National level IEEE Conference on Power and Embedded Drive Control. (Aug 2019)