

RAGHAVARSHINI GANESAN

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Devops Automation | Azure-DevOps | React JS | Java | Python | JavaScript | MySQL | Git | Bitbucket | C# | Node.Js | Html | CSS | Bamboo | Tableau | Power BI | D3.Js | Data Mining | Axios | Springboot | Sonarqube | Jfrog Artifactory | Jira | JSM | Servicenow | Urban Code Deploy | Version Management | Active Directory | CICD Integration & Administration

ACADEMIC QUALIFICATIONS:

NANYANG TECHNOLOGICAL UNIVERSITY (SINGAPORE)

Master of Science in Information Systems

AUG 2022 - MAY 2023

3.9/5 CGPA (HONORS DISTINCTION)

Relevant courses: Dbms (MySQL), Web & Text Mining (Pytorch, Python, Deep learning), Data Mining, Data Visualization (D3, Tableau), Research methods & Data Analytics (SPSS, Qualitative & Quantitative Analysis), Human-Computer-Interface, Software-Engineering, Management of Information-Systems, Software Project Management

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY (INDIA)

Bachelor of Technology in Computer Science Engineering

AUG 2016 - MAY 2020

87.05% (1ST CLASS WITH DISTINCTION)

Relevant courses: Programming in Java, Operating system, NLP, Database Security, Artificial Intelligence, Machine Learning, Distributed Computing, Software Quality Assurance, Analytics, Web Programming, Algorithm Design, Computer Networks, Software Engineering Principles, Data Structures, Theory of Computation, Database Management

WORK EXPERIENCE:

SHIMANO PTE LTD. (BULIM WALK SINGAPORE)

Software & Application Developer-Digital Technology

MAY 2023 - PRESENT

- Executed **SQL Script Automation** using Batch Scripts using Bamboo variables by comparing Previous & current revision that also handle the Error scenarios for **20+** Major projects & extended it to **6** other country Plants' projects.
- Pioneered **two way Integration of On premise & cloud Software** to establish full CI-CD flow and enhanced productivity.
- Initiated ITSM using Jira service Management & Jira with **workflow, UI Form designs & automation rules** from scratch.
- **Unit Test Case Creation & Automation** for major Functions in ongoing C# .Net Projects containing MSTests/Xunits.
- Created **Source Code automation** using Batch File Script in Scheduled Pipeline Jobs.
- **Administration of Devops** IT package (Bitbucket, Bamboo, JSM, Jira, Sonarqube, Artifacts & SQLServers).
- Formulated Graphical insights with **PowerBI** for Data visualization using Live Data from Master Database.
- Knowledge Training on Migration Activities & Configuration Setups with Debugging on Failed **Deployments & Builds**.

ERI@N ENERGY RESEARCH INSTITUTE. (NTU-SINGAPORE)

Student Research Assistant

NOV 2022 – MAY 2023

- Utilized **React JS, Node Js, MySQL, Javascript, Html, and CSS** to create an immersive website cum dashboard with custom libraries to represent live as well as historical data.
- Visualized Data Insights using **Chart JS** from Direct MYSQL DB & API using **AXIOS and Express JS** library.
- Handled advanced queries and fetching of filtered values customizable by the user from the UI to display choice and comparison between the modules through streamlined **CRUD operations** to facilitate remote access to control systems.

INFOSYS LTD. (CHENNAI-INDIA)

Senior System Engineer

OCT 2020 - JUL 2022

- Coordinated as CI Lead over three prominent **Continuous integration slacks- Azure, Atlassian and TFS** to adopt devops practices using tools such as **AzureDevops (Boards, Repos, Pipelines), Bamboo & Jenkins** over **100+** region teams.
- Programmed and debugged front end oriented full stack applications using **React JS, Java and MySQL**.
- Deployed, integrated and tested pipelines in various working environments such as **Dev, Int , Prod and QA** using **Urban Code Deploy** and Azure Devops for over **500+ teams**.
- Facilitated ease of error handling by guiding and managing **pipeline setup, yaml scripts and shell scripts** to generate Artifacts, **Docker** images and executables to be built and sent for **deployment** along with interaction with external software such as **SonarQube** for quality assurance and **Jfrog** for artifact setup.
- Optimized source code management using version management tools such as **GIT, Bitbucket** using Branching strategies such as **Gitflow and Trunk Based** to facilitate pull requests, branch policies, build validation, triggers and path filters and provided knowledge training sessions on project's ecosystem.
- Modified Shared application repository for **Liberty server deployment**, created active directory groups, formulated teams and managed issues using **JIRA and Service-Now** within SCRUM and KANBAN boards.
- Presented **POCs** to clients on JIRA - HELIX ALM – Requirements Management as a comparative analysis in terms of economy + traceability for remodeling & migrating that aided in overall **50% cost-savings** of expected expenditure.

- Collaborated a full stack development of modules in an ongoing project using **React JS, MySQL and Java Spring-boot** to create a ticket reservation system that collects user data and modifies with authorized request.
- Database management using advanced DDL and DML concepts such as **join querying & normalization**
- **Outperformed 30 intern teams** with the use of advanced options such as printing, revising and rescheduling the tickets. Handled and facilitated issues by storyboarding as the team's **Scrum master** by curating **agile** concepts.

RECENT ACADEMIC PROJECTS:

DATA VISUALIZATION OF BITCOIN

OCT 2022

An informational blog site was designed to depict the bit coin stats and trend analysis over years using D3 JavaScript library. This was awarded as the best-voted representation and was part of the top 3 projects in the coursework.

ANALYSING THE USER SUSCEPTIBILITY TO CLICKBAIT HEADLINES

OCT 2022

Regression analysis was conducted using quantitative surveys which concluded that Curiosity and Entertainment were the most predominant factors that affected one's desire to click over a clickbait

DATA ANALYSIS ON WHY MASK REMAINS COMPULSORY IN SINGAPORE

SEPT 2022

Complex storyboard analysis was created via Tableau software using dashboard aggregation. The dashboards consisted of 10+ variety of charts that generated insights on current and future trends.

PUBLISHED PAPER:

"An Enhancement of reliable data communication in RSU for VANET" in IJARBEST

JAN 2021

Depicted GPRS based sensors to achieve better data transfer for accident prevention & response using node cluster analysis.

CERTIFICATIONS & TRAININGS:

- DATA ANALYTICS & VISUALIZATION WITH POWER BI – INTELLISOFT SYSTEMS SINGAPORE NOV 2023
- [CITI PROGRAM SOCIAL AND BEHAVIORAL RESEARCH](#) JAN 2023
- [AZURE DEVOPS AZ900 AZURE FUNDAMENTALS](#) JUN 2022
- INFOSYS CERTIFIED IN DEVOPS & JAVA PROFESSIONAL MAY 2021
- [COURSERA PYTHON DATA STRUCTURES](#) MAR 2019
- [UNIVERSITY OF MICHIGAN PROGRAMMING FOR EVERYBODY \(PYTHON\)](#) MAR 2019
- MADRAS ATOMIC POWER STATION-IN-PLANT TRAINING JUN 2019
- UNIQ TECHNOLOGIES- JAVA DEVELOPMENT TRAINING MODULE DEC 2018
- NPTEL CLOUD COMPUTING SEPT 2018
- BSNL-INDUSTRIAL TRAINING ON NETWORK & CYBERSECURITY JUN 2018

ACCOLADES:

- IELTS Academic Band 8 JAN 2022
- Infosys Toastmasters Fresher's WFH Representative MAY 2021
- Paper Presentation at International Conference on Contemporary Engineering and technology JAN 2020
- Scholarship holder in 1st Semester of B.Tech for obtaining 9.04 CGPA AUG 2017
- Best Student -Inspire Academic Excellence Camp & Certificate of Merit for A1(10/10 CGPA). JAN 2015
- 1st position in Tamil Speech and Literary Debates over 30 competitions & television shows 2010-2020

LANGUAGES KNOWN: English, Tamil, Telugu, Hindi, and French

SOCIAL WORK: Donation & volunteering - Willing Heart SG , Giving.sg , Shimano Beach Cleaning (2023) , NTU Welfare WeeKimWee Volunteering (2022-2023), Infosys Woman wellbeing group (2020-2022), Tamil valar-mandram-SRM IST (2016-2021), Scouts and Guides Member(2013-2016), National Service Scheme (2016-2020)

POSITIONS OF RESPONSIBILITY: NTU Student Invigilator (2022), SRM Classical-Dance-Vice-Captain (2019), Speech committee + Orator (2018-2020), School CCA-Lead (2016), House-Captain (2013, 2014)

RECOMMENDATIONS FROM PREVIOUS COLLEAGUES: [linkedin.com/in/raghavarshini/details/recommendations/](https://www.linkedin.com/in/raghavarshini/details/recommendations/)