

# Vivian Roshan A

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Engineering graduate with a passion for software development. Proficient in Java, C#, C++, Python, SQL, NoSQL, Shell scripting and Web technologies with strong problem-solving skills. Ready to make a difference in software development world.

## Education

### National Institute of Technology (NIT), Puducherry

Jul 2017 - May 2021

- Bachelor of Technology in Electronics and Communication Engineering

CGPA - 7.59/10

## Professional Experience

### Member Technical Staff, Zoho - Manage Engine OpManager

Jan 2022 - Jul 2023

OpManager is a network management and monitoring software offered by Zoho

- Server side Development with **Java**.
- Developed **LAMA** (Log Analytics and Monitoring Application) for sending data to **SEBI** (Securities and Exchange Board of India) which opened the OpManager to **Fin-Tech** space.
- Implemented robust **fault tolerance** mechanisms for the **Central - Probe communication** in the **Distributed Edition**, significantly enhancing the product's **stability** across multiple modules.
- Revamped the **Public Demo site of OpManager** with cutting-edge **multithreading** concepts, providing a **responsive** and seamless user experience, allowing customers to effortlessly explore the product's features and capabilities.
- Automated the deployment process for the QAs with **PowerShell** and **Bash** scripts to make the testing process easy.
- Fixed **50+ bugs** and handled over **200+ support tickets**.

### Software Engineer, Mindtree

Jun 2021 - Jan 2022

- Full Stack Web Development with **Dotnet** and **Angular**.
- Designed and developed an **Inventory Management** website for **Dell**.

### Intern, Lenovo

May 2019

- Designed and developed an application to track the **stage of assembly** of each computer by studying the assembly line of computers and how **Operating System** is bootstrapped into the computers from the **server**.

## Projects Undertaken

### National Institute of Technology (NIT), Puducherry

- Image generation Enhancement** using GAN - Generative Adversarial Network (**Machine Learning**).
- Enabling the differently-abled through **Morse code** using Arduino and Proteus simulation.
- Data **Compression**, **Encryption**, and **Decryption** using Python.

### Mindtree Ltd, Bangalore

- Model Book Store using **Dotnet**, **MSSQL**, and **Angular**.

### Personal Project

- Version Controlled Resume**: A Markdown-based **CSS** formatting which can be converted to **PDF** for enhancing readability maintainance.

## Academic Accomplishments

- Medalist at School and State level in International Mathematics Olympiad (**IMO**) & National Cyber Olympiad (**NCO**).
- Graduate Aptitude Test in Engineering (GATE)** 2021 - 2022  
An examination for admission in Master's Program and jobs in Public Sector Companies in India.  
2022 **Computer Science**      Score - 350/900    All India Rank - **9894** out of 80K (approx).  
2021 **Electronic Communication**    Score - 360/900    All India Rank - **7965** out of 80K (approx).

## Technical Skills

- Frontend**: HTML, CSS, JavaScript, Angular
- Backend**: Java, Dotnet(C#), Python, C++, SQL, NoSQL, Bash script, PowerShell script
- Version Control**: Mercurial(Hg), Git
- Tools**: IntelliJ IDEA, Visual Studio, Jira, Vim, Office Suites