

# 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

2017 - 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**.
- Added **new feature LAMA** (Log Analytics and Monitoring Application) to send data to **SEBI** (Securities and Exchange Board of India) which opened the OpManager to the **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** which needed developer assistance.

### 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 OS is bootstrapped into the computers from the servers.

## Projects Undertaken

- Version-controlled Resume**, A Markdown-based CSS formatting which can be converted to pdf for enhanced readability and is easy to maintain.

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

- Image generation and 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

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

## Academic Accomplishments

- Medalist at School and State level in International Mathematics Olympiad (**IMO**) & National Cyber Olympiad (**NCO**).

### Qualified 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