

# Vivian Roshan Adithan

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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

### Arizona State University (ASU), Tempe

Aug2023 - Present

- MS in Computer Science

### 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**.
- 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 **Operating System** is bootstrapped into the computers from the **server**.

## Projects Undertaken

### 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**.

### Personal Project

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

## Academic Accomplishments

- Graduate Record Examinations (**GRE**) Score - 314/340
- Test of English as a Foreign Language (**TOEFL**) Score - 95/120
- 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