Vivian Roshan A

(+91) 8248477136 • vivianroshan@gmail.com • ⌗ github.com/vivianroshan • in linkedin

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