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, 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 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**).
- **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