SAMIRASIMHA RAJASIMHA

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**SKILLS**

* **Languages:** Python, JavaScript, C#, HTML/CSS, SQL
* **Technologies and Frameworks:** .NET Framework, \*\*[.NET Core]\*\*, Django, AngularJS, ReactJS, Vue.js, Node.js
* **Databases:** MySQL, SQL Server, MongoDB, PostgreSQL, Redis
* **Other Skills:** Azure, CI/CD, Microservices, REST APIs, Microsoft Cognitive Services, Power BI

**EXPERIENCE**

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| **Gravity iLabs** | ***January 2019 – July 2022*** |
| *Software Engineer – Full Stack* | *Bengaluru, Karnataka, India* |

* Reduced development time by 80 man-hours per week by writing reusable libraries and refactoring code into microservices using .NET Core, achieving an 80% reduction in API response times.
* Improved admin level role management and reduced development times by 80% with role-based access management systems.
* Reduced development time by 40 man-hours per week and maintenance time by 30% by componentizing UI elements in AngularJS.
* Cut QA testing times by 25% through implementing Jasmine for front-end unit testing.
* Accelerated release cycles by 50% and enhanced deployment reliability by implementing an Azure DevOps CI/CD pipeline.
* Improved application performance by 40% and reduced database load with a caching mechanism using Azure Functions and Redis Cache.

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| **Infosys Ltd** | ***August 2018 – December 2018*** |
| *Systems Engineer* | *Mysuru, Karnataka, India* |

* Achieved a 40% improvement in transaction efficiency and a 30% reduction in client transaction times by developing a full-stack financial analysis tool using Django and Angular.
* Reduced data breach risks by 50% by creating a secure RESTful API using Django with OAuth2 and JWT.
* Cut operational costs by $40,000 by optimizing resource allocation strategies using Django.

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| **Gravity iLabs** | ***July 2017 – August 2017*** |
| *Software Development Intern* | *Bengaluru, Karnataka, India* |

* Streamlined Portfolio Budget Statements management with a full-stack application using Django and Angular, automating processes and enhancing functionality.
* Boosted stakeholder engagement and saved 70 man-hours weekly by automating email communications with Django’s SMTP capabilities.
* Achieved 95%+ accuracy in sentiment classification by integrating Microsoft Cognitive Services, optimizing communication strategies.

**EDUCATION**

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| **Purdue University** | *MS, Computer Science* | **May 2024** |

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| **Visvesvaraya Technological University** | *BE, Computer Science* | **May 2018** |

**PROJECTS**

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| **Special Events – Calendar Generation** | ***December 2023 – February 2024*** |
| *Purdue University* | *Indiana, USA* |

* Enhanced event management efficiency by developing a Django and Vue.js application to automatically generate iCal files from Excel, streamlining event scheduling.
* Implemented a JSON-based metadata system to enhance scalability and maintainability, enabling swift adaptation to evolving Excel structures or deployment across varied organizational contexts.

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| **Note Nirvana (Web App for Guitar Chords)** | ***August 2023 – December 2023*** |
| *Purdue University* | *Indiana, USA* |

* Increased user satisfaction by 60% by creating a music tablature tool with Django and React, featuring auto-scroll and chord adjustments.
* Implemented secure metadata storage and contributed to both frontend and backend, ensuring comprehensive project involvement and technology integration.

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| **Furniture App Based on Augmented Reality** | ***January 2018 – October 2018*** |
| *Visvesvaraya Technological University* | *Bengaluru, Karnataka, India* |

* Developed an AR-based Android app using C# and the Kudan SDK for furniture stores, presented at the 2018 ICACCI IEEE Bengaluru.