

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

Gravity iLabs

Software Engineer – Full Stack

January 2019 – July 2022

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.

Infosys Ltd

Systems Engineer

August 2018 – December 2018

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.

Gravity iLabs

Software Development Intern

July 2017 – August 2017

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

Purdue University | MS, Computer Science

May 2024

Visvesvaraya Technological University | BE, Computer Science

May 2018

PROJECTS

Special Events – Calendar Generation

Purdue University

December 2023 – February 2024

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.

Note Nirvana (Web App for Guitar Chords)

Purdue University

August 2023 – December 2023

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.

Furniture App Based on Augmented Reality

Visvesvaraya Technological University

January 2018 – October 2018

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.