

Raghul Koundampalayam Balamurugan

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EDUCATION

Master of Science in Computer Science
University of Alabama at Birmingham

Jan 2025 - Present
Birmingham, USA

Bachelor of Technology in Computer Science
Amrita Vishwa Vidyapeetham
CGPA: 7.53/10

July 2019-June2023
Coimbatore,India

WORK EXPERIENCE

Cimpress India

Application Developer

Jan 2024 – Nov 2024

Project: Create and launch multiple ecommerce stores using NopCommerce

- Developed numerous features for live ecommerce platforms utilizing .NET Core and Entity Framework.
- Implemented code optimizations aimed at enhancing Core Web Vitals scores, thus boosting SEO performance.
- Served as the primary on-call support for addressing production issues promptly, implementing hotfix solutions.

QA Engineer

Aug 2023 – Jan2024

Project: Create and launch multiple ecommerce stores using NopCommerce

- Developed and executed test cases using a Java Selenium framework for automation, with extensive experience in manual testing of features.
- Proven track record in ensuring high-quality software releases and enhancing testing processes to meet rigorous business requirements.

QA Engineer – Internship

Feb 2023 – Aug2023

Project: Create and launch multiple ecommerce stores using NopCommerce

- Gained comprehensive understanding of the ecommerce order lifecycle process and familiarized with the features of NopCommerce and the customized plugins.

SKILLS

Programming Languages C#, Python, Java, HTML/CSS, SQL, JavaScript

Technologies/Frameworks: .NET Framework/.NET Core, ASP.NET, MVC architecture Entity Framework, ReactJS, AWS (S3, EC2, CodeBuild, DynamoDB), Source Tree, Bitbucket, JIRA, SQL Server, Microsoft SQL Server Management Studio, Agile/Scrum/Kanban methodologies, RabbitMQ, Jenkins, Octopus, Kibana, Java Selenium, Feature Testing, Regression Testing, API Testing, Load Testing, Postman, Swagger.

Soft Skills: Adaptability, Problem Solving, Teamwork, Communication, Mentoring

ACADEMIC PROJECTS

Interoperable Semantic Model for Solar Polyhouses.

August 2022 - Jun 2023.

- The Solar polyhouse in the form of knowledge graph which holds the information of multiple domains which can be used to understand and extract the required information was designed.
- Integrated the existing ontologies such as FoodON, SSN, BOT, TOCO, DUL by using the required classes from each to design an interoperable semantic model.
- Developed an endpoint to incorporate real-time values into respective classes, enabling extraction of required information using SPARQL queries.

Delivery Cube - Cutting-Edge Food Ordering Platform

Jan 2022 - April 2022.

- Managed the development of a comprehensive hotel ordering system, encompassing both the front-end and backend components.
- Created forms to perform CRUD operations to manage customers and orders in restaurants. Integrated Google maps to display order tracking efficiently.
- Utilized React components and state management to build a dynamic and interactive user experience.