

Anuradha Ramchandran

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TECHNICAL SKILLS

Programming Languages: C#, Python, JavaScript, TypeScript, CSS, HTML

Technologies: ASP.NET, Django, Entity Framework, Express.js, Flask, LangChain, Next.js, Node.js, React.js

Databases and OS: Linux, MySQL, NoSQL (MongoDB), PostgreSQL, SQL Server

CI/CD, Cloud and Others: Azure DevOps, AWS (EC2, S3), Docker, Google Cloud Platform, REST

EXPERIENCE

Software Engineer

September 2024 - Present

TUV SUD America

Remote

- Prototyped a conversational AI agent using Python, GPT 4.1 LLM and RAG, improving data retrieval, summary statistics and trend analysis for clients by generating SQL from natural language.
- Developed web services for spreadsheet-to-database imports with C#, .NET MVC and SQL stored procedures.
- Developed backend features and report templates for the SMARTS App to enhance auditing for fire risk analysis.
- Set up CI/CD pipelines by configuring application pools and AI Agent Services on Azure for cloud-based deployments.

Software Developer, Intern

June 2023 – Aug 2023

Parker Hannifin

Buffalo, New York

- Developed a web application to automate the printing of customer manuals using .NET Core and JavaScript, reducing printing and labour costs by 12%.
- Enhanced customer satisfaction by fine-tuning a customer service chatbot with the Meta Llama LLM on Hugging Face.
- Reduced SQL Server retrieval time by 800 ms by handling redundancies, missing data and using stored procedures.
- Partnered with customers to design components, improving user experience in the Customer Service Portal.

Software Engineer, Intern

Mar 2022 – May 2022

Cyient

Hyderabad, India

- Created a REST web service to automate data integration from client applications to SQL Server databases with .NET.
- Tested and deployed microservices by working within a Scrum team using Azure DevOps and Azure App Service.
- Decreased page loading times from 2 to 1.5 seconds by debugging application code in a pair-programming setup.

PROJECTS

DelishDish - A Recipe App | *Python, Django, React, AWS, Unicorn*

July 2024

[GitHub](#)

- Developed and deployed a full-stack web application for recipes with React as the frontend and Django as the backend.
- Integrated Retrieval Augmented Generation (RAG) to generate personalized suggestions based on user queries.
- Deployed the application using AWS S3 and EC2 and used Unicorn and Nginx for server deployment.

ConvoNest – a Threads Clone | *Next.js, TypeScript, MongoDB, TailwindCSS*

June 2024 - Aug 2024

[Live Link](#)

- Developed a responsive web app with community features using Next.js, TypeScript, MongoDB and TailwindCSS.
- Integrated ChatGPT and Dall-E to respond to user prompts and generate images.
- Implemented authentication with Clerk, added real-time updates and server-side rendering for optimized performance.

DONS 365 – Purdue Marketplace | *MongoDB, Express.js, Node.js, React.js, AWS*

Sept 2022 – Dec 2022

[GitHub](#)

- Developed a full-stack web application serving as a centralized hub for seamless student interactions and engagement.
- Created front-end components with Figma and React.js and a REST backend with Node.js, Express.js and MongoDB.
- Deployed the application on AWS by using an EC2 instance and S3 bucket for static files.
- Created a comprehensive test suite using Jest for unit testing and Cypress for integration and end-to-end testing.

EDUCATION

Purdue University

Indiana, USA

Master of Science in Computer Science

May 2024

Dayananda Sagar College of Engineering

Bangalore, India

Bachelor of Engineering in Computer Science

May 2022