

# Anuradha Ramchandran

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## TECHNICAL SKILLS

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

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

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

**CI/CD, Cloud and Others:** Azure DevOps, Pipelines, AWS (EC2, S3), Docker, Gunicorn, Nginx, RESTful APIs

## EXPERIENCE

### Software Engineer

September 2024 - Present

*TUV SUD America*

*Remote*

- Developed a chatbot for GRC Connect using Python, FastAPI, OpenAI, and RAG to help clients get quick answers on risk data with dashboards, trends, and summaries across teams and regions.
- Built web services with .NET and SQL Server to import and validate fire inspection data, automating manual workflows.
- Created backend components and report templates for the SMARTS App to enhance auditing for fire risk analysis.
- Set up CI/CD pipelines with application pools and AI Agent tools on Azure, documenting the process on SharePoint.

### Software Developer, Intern

June 2023 – Aug 2023

*Parker Hannifin*

*Buffalo, New York*

- Engineered a .NET Core and React app to automate user manual printing, improving efficiency and reducing operational costs by 12%.
- Fine-tuned an internal helpdesk Meta LLaMA chatbot with Meta LLaMA to handle IT and HR-related queries.
- Optimised SQL Server queries to cut latency by 800ms and shared performance insights to improve database efficiency.
- Used customer feedback to design features, integrating into UI/UX updates of the customer service portal.

### Software Engineer, Intern

Mar 2022 – May 2022

*Cyient*

*Hyderabad, India*

- Reduced project scheduling conflicts by 20% by building an internal resource allocation app with React.js and Node.js.
- Deployed and tested microservices using Azure DevOps, Pipelines and Azure App Services in a Scrum team.
- Decreased page loading times from 2 to 1.5 seconds by debugging code for a healthcare application in a pair-programming setup.

## PROJECTS

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

July 2024

[GitHub](#)

- Designed and deployed a full-stack recipe platform for South Indian cuisine using Django REST Framework and React.
- Configured Gunicorn and Nginx for production deployment on AWS EC2, with media storage handled via AWS S3.

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

June 2024 - Aug 2024

[Live Link](#)

- Architected a responsive web app with community features using Next.js, TypeScript, MongoDB and TailwindCSS.
- 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](#)

- Created a centralized student marketplace enabling secure listings, communication, and transactions.
- Designed UI components with React and Figma, and built a RESTful API backend with Node.js and Express.
- Deployed the system on AWS EC2 with static assets hosted on S3; implemented unit and integration testing with Jest and Cypress for high test coverage.

## 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*