# Deepthi Sree Sampathirao

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## SUMMARY

Enthusiastic and results-driven software engineer, I take full ownership in driving impactful solutions from end to end from infrastructure setup to user-facing application development. With hands-on experience in cloud migrations, CI/CD pipelines, and full-stack web development using React, Flask, and Cloud services, I consistently deliver reliable, scalable systems. My proactive approach to troubleshooting, coupled with my commitment to mentoring and collaboration as a Graduate Teaching Assistant, highlights my dedication to long-term customer value and team success. I thrive in environments that challenge me to innovate while maintaining a strong sense of responsibility and ownership towards the outcomes I deliver.

## EDUCATION

**University of North Carolina Charlotte**      Charlotte,NC
*Mater's of Science in Computer Science GPA:4.0*      *Aug 2024 – Dec 2025*

**Aditya Institute of Technology and Management**      AP, India
*Bachelor's in Technology Computer Science GPA:3.86*      *Aug. 2017 – JUly 2021*

## EXPERIENCE

**Member at RTC**      May 2025-Present
*Rewriting the Code*      *Remote,US*

- global community of women in tech, where I've had the opportunity to connect with exceptional talent and mentors from around the world.
- Gained valuable insights through RTC's newsletters, which consistently share curated opportunities, resources, and industry trends tailored for women in tech.
- Participated in virtual: technical workshops, leadership events, and peer networking that strengthened my confidence and career growth in data and cloud-driven roles.

**Graduate Teaching Assistant**      May 2025 – Aug 2025
*University of North Carolina at Charlotte*      *Charlotte,North Carolina,US*

- Assisted students in networking concepts like Forwarding and routing, Internet Protocol (IP), DHCP, Fragmentation, NAT, IP addressing and subnet, routing algorithms - link sate and distance vector, RIP, OSPF, BGP, broadcast and multicasting routing,DNS resolution
- Participated in rigorous lab sessions helped 60+ students clearing the doubts in network conectivity using AWS cloud
- Collaborated with Professor in course structuring ,lab activities and help students through out course and was able to achieve 91 percent as class average

**Software Engineering Analyst**      March 2023 – July 2024
*Accenture Solutions Pvt Ltd*      *Hyderabad,Telangana, India*

- Led the migration of on-prem servers to Azure VMware Solution (AVS) using VMware HCX, handling execution,troubleshooting, and minimizing downtime during outages and achieved 98 percent SLA
- Conducted Root Cause Analysis (RCA) for migration-related issues, ensuring timely resolutions and optimizing processes for future migrations.
- Played a key role in Site Reliability Engineering (SRE) efforts, monitoring system performance, and communicating issues for swift resolution
- Utilized tools like Azure Databricks to perform RCA, improving system reliability by identifying and resolving underlying issues.
- Collaborated with cross-functional teams to ensure smooth execution of server migrations, addressing any technical challenges.

**Application Development Associate**      October 2021 – March 2023
*Accenture Solutions Pvt Ltd*      *Hyderabad,Telangana, India*

- Created and implemented Ansible playbook for managing the 2000+ servers leaving process that should take not more than three months to complete and minimized the amount of manual input required.

- Managed deployment during each of decomission enduring 99 percent SLA is achieved
- Managed Git repositories (GitHub) and implemented CI/CD pipelines for seamless deployment.
- Supported the infrastructure teams directly on all matters of decommissioning and all aspects of that process were quickly resolved where necessary
- Supervised automated flows and reported to the interested parties on the advancement and effectiveness of the work.

## PROJECTS

**Deepthi's Portfolio** | *Java Script,React,HTML,CSS*                               May 2025 - July 2025
- Developed a Portfolio which would showcase my complete background of Experience,Education,Projects and Achievments
- Designed application using CSS,Java Script,HTML made it user responsive to download and contact me via linkedIn and email
- Added Java Script task to handle tasks where a user can enter the details and upon submitting event can handle trigger an email to my email
- Link to Portfolio: **https://deepthiportfolio-theta.vercel.app/**

**Deepthi Chess Game** | *Java Script,React,HTML,CSS,AI,Alpha-Beta Pruning,*          Mar 2025 - Apr 2025
- Developed a chess game as part of course work using React,Java Script,HTML,CSS which is a two player format where one of the player is AI
- Implemented Alpha-Beta pruning in AI using min-max algorithm helps effectively for an adversial search without effecting an outcome.Scored highest among 60 students in class for effective implementation

**FoodMunch** | *Azure Devops,terraform,Azure functions,Cloud Infrastructure,Git*          Aug 2024 – Sep 2024
- Developed a CI/CD pipeline in Azure DevOps for the FoodMunch website, automating deployment across Dev and QAT environments and managing application releases efficiently.
- Provisioned cloud infrastructure using Terraform, setting up LRS and GRS storage accounts and deploying APIs to manage order and customer data in Cosmos DB.
- Automated post-deployment tasks using PowerShell scripts to clean up resources, ensuring consistency and cost-effectiveness in cloud environments.

**To-Do List** | *Java Script,HTML,CSS*                                         June 2024- July 2024
- Designed a to-do list web application in HTML with BOOTSTRAP CSS a responsive UI making the user to add, save and edit tasks easily
- Added the JavaScript to handle tasks where tasks lists are stored and retrieved in local storage whenever a session is active and setting up event related to the addition and display of tasks on the page.

## TECHNICAL SKILLS

**React, Node.js, Flask,JavaScript,SQL (Postgres), HTML/CSS,Bootstrap**
**AWS,Azure Devops,AWS EKS,AWS ECS,AWS Cloud Formation,Shell Scripting**
**Java,C++,Python,Linux,Windows**

## CERTIFICATION

**AWS Data Engineering (AWS Graduate Academy)**
**AWS Cloud Practitioner(AWS-Certified)**
**Microsoft Azure Fundamentals (AZ-900- Microsoft Certified)**

## AWARDS

**ACE Award**-Accenture Solution Private limited (Dec 2022)
**SAP Beginners Award**-Accenture Solution Private limited(May 2022)