

DARSHAN VIJAYARAGHAVAN

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EDUCATION

University of Colorado Boulder

Master's in Computer Science

August 2024 – May 2026

GPA: 4.0/4.0

Relevant Courses: Data Center Scale Computing, Software Engineering, Natural Language Processing, Neural Networks.

College of Engineering Guindy, Anna University, Chennai, India

July 2017 – April 2021

B. E. Electronics and Communication Engineering

GPA: 8.77 /10

Relevant Courses: Data Structures & OOPS, Computer Architecture, and Operating Systems.

SKILLS

Core Competencies: Full-stack Development, DevOps, Cloud Computing, System Design, Data Analysis & Visualization.

Programming Languages & Databases: C, C++, C#, Python, Java, JavaScript, TypeScript, HTML, CSS, MySQL, MongoDB, Redis.

Frameworks & Tools: Angular, React.js, Node.js, ASP.NET Core, RabbitMQ, PyTorch, Power BI, Tableau, and Excel.

DevOps & Cloud: AWS, GCP, Kubernetes, Docker, Terraform, Jenkins, GitHub Actions, Argo CD.

Certifications: AWS Certified Solutions Architect – Associate.

WORK EXPERIENCE

Agilysys NV, LLC

Alpharetta, USA

Software Engineering Intern, Agilysys

May 2025 – August 2025

- Built a full-stack admin dashboard using **.NET**, **Angular**, and **SQL Server** to manage the Loyalty and Promotions product of Agilysys.
- Designed SQL schemas, optimized stored procedures, implemented secure REST APIs, and built a responsive UI with features like interactive charts, personalization, role-based access control, anomaly alerts and notifications.

Citicorp Services India Private Limited

Chennai, India

Application Developer 2, CITI

July 2023 – August 2024

- Migrated monolithic **Angular** and legacy **jQuery** applications to micro frontend architecture and organized them using Nx workspace, reducing each module's build time by 95% and accelerating **CI/CD**.
- Developed a highly customizable and efficient reusable table component leveraging Angular templates, adhering to Citi's standards. The component was widely adopted across development teams, reducing development time by 80%.

Data Analyst, CITI

July 2022 – July 2023

- Developed a comprehensive dashboard utilizing global patching data for Citi Servers in Power BI. The dashboard assisted the team in maintaining the percentage of patched servers above 97% for compliance, earning a **"Citi Delivers with Pride Gold Award"**.
- Created interactive dashboards in **Excel** and **Power BI** based on Incident reports from 70,000 servers to identify and reduce the aging incidents in ServiceNow queues by 17%. This reduced user escalations by 50%, improving customer satisfaction and earning the **"Succeed Together Bronze Award"**.

Application Developer, CITI

July 2021 – July 2022

- Actively collaborated with 10+ users and design teams to enhance overall usability, improving user satisfaction by 30%.
- Improved application responsiveness across devices, ensuring 100% cross-platform compatibility.
- Implemented the JWT authorization, reducing security vulnerabilities related to session management and enabling compliance with OAuth 2.0 standards across 3 modules in the application.

MathWorks India Private Limited

Bangalore, India

Engineering Development Group Intern, MathWorks

May 2020 – July 2020

- Developed **TCP/IP** and **UDP** test utilities to verify host-to-target communication in Simulink communication blocks, reducing unit test creation time by 40%. Used **MATLAB**, **Simulink**, **Wireshark**, **Hercules**, and **Rasp-pi**.

PROJECTS

- Studious – Study Group Manager ([Link](#))**: Developed an application enabling students with similar interests to join study groups, build connections, and collaborate effectively. The platform supported online/offline sessions, real-time group/private chats, and automated email notifications for upcoming events. Utilized **React.js**, **Node.js**, **NoSQL**, **Redis**, **RabbitMQ**, **WebSocket**, **Docker**, **Kubernetes**, **Terraform**, **Google Cloud storage**, and **Google Kubernetes Engine (GKE)**.
- Quizzzy – Quiz Generator Application ([Link](#))**: Developed a platform that scrapes web pages, generates quizzes using LLMs, and publishes them via the Google Forms API. Containerized the entire application with Docker and implemented CI/CD pipelines employing GitHub Actions and Argo CD following GitOps principles. Utilized **React.js**, **TypeScript**, **RabbitMQ**, **Kubernetes**, **Argo CD**, **GitHub Actions**, **GitLab**, and **GKE**.