

EDUCATION

North Carolina State University | *Raleigh, NC, USA*

Aug 2024 — May 2026

Master's in Computer Science

GPA: 3.7/4

Coursework: Algorithms, Object oriented design and development, Networks, Cloud, Software Engineering

Vidyavardhaka College of Engineering | *Mysuru, India*

Aug 2018 — Jul 2022

Bachelor of Engineering in Computer Science

CGPA: 8.39/10

EXPERIENCE

Cloud Engineering Intern | *Brane Services Pvt Ltd, Bengaluru, India*

Aug 2022 - Feb 2023

- Architected and managed an entire multi-tenant cloud environment for performance testing of microservices.
- Spearheaded the scripting of multiple performance gates for developer pipeline which alleviated the regression by 30%.
- Built several Jenkins CI/CD pipeline to automatically execute load tests on new deployments reducing manual efforts by 40% daily.

Full Stack Developer Intern | *Doodle Health, Mysuru, India*

Sep 2023 - Dec 2023

- Developed and optimized backend functionalities using technologies such as Node and Express, improving system performance and integrating APIs with MongoDB for efficient data handling.
- Migrated entire frontend to React with optimizations like lazy loading and async data retrieval.
- Incorporated Redux with memorized selectors to achieve optimum performance (upto 90%) for rendering components.

Engineer Intern | *CoachEd, Mysuru, India*

Sep 2021 - Jan 2022

- Optimized backend APIs by applying response compression and handled SQL caching to reduce database costs by 40%.
- Deployed on AWS and enabled custom list creation using express route parameters.
- Developed RESTful APIs using Python and integrated Swagger documentation for improved testing efficiency

SKILLS

Languages and Tools - Python, Ruby, C, Java, SQL, Typescript, JavaScript, Git, TypeScript, Linux, Docker, Kubernetes, JMeter, k6.

Frameworks/Libraries - AWS, Jira, React, Redux, Node, Postman, Rails, PostgreSQL, MongoDB, Next, Tailwind, Jenkins.

PROJECTS

ChefGPT | *Google Gemini, Node, Express, React, Chakra UI, Firebase*

Oct 2024 - Dec 2024

- Developed an AI-powered recipe recommendation engine leveraging Google Gemini APIs, enabling users to discover personalized recipes based on available ingredients, reducing food waste by up to 30%.
- Designed and implemented an intelligent meal planning system, incorporating macro-nutrient tracking and dietary preferences to generate customized weekly meal plans, enhancing user convenience and health management.
- Optimized application performance, achieving blazing-fast load times through server-side caching and database indexing.

PopcornPicks | *Python, Flask, React, MongoDB, Docker, Bootstrap*

Aug 2024 - Oct 2024

- Engineered a full-stack solution featuring user authentication, friend-based recommendations, and an interactive dashboard for enhanced movie-tracking and social engagement.
- Designed and implemented a movie recommendation engine using collaborative filtering, enabling users to discover tailored film suggestions and share their feedback via email

Typeflo | *Next.js, Supabase, AWS*

Feb 2023 - Sep 2023

- Built a new generation SaaS platform for bloggers to convert native google docs file into a webpage under their subdomain.
- Leveraging Mammoth module to produce clean HTML by using semantic information in the document.
- Crafted a dynamic dashboard using a Grafana sidecar to update analytics and maintain categories of various blogs.
- Integrated GitHub Actions for CI/CD to streamline development and automate deployment processes.

PUBLICATIONS

1. Analysis of Text Data for Stock Prediction – Volume 10, Issue 5, IJRASET.

May 2022

ACHIEVEMENTS AND EXTRA-CURRICULAR

- AWS Certified Solution Architect and secured a specialization certificate for Architecting with Google Compute Engine.
- Active participant in the cloud chapter of Google developer Google club (GDSC). Represented my college in various hackathons and organized workshops, seminars for juniors.