

DHEERAJ REDDY INUGALA

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[Portfolio](#)

Work Experience

Spectrum

May 2024 – present

Network Software Engineer

Denver, CO

- Accelerated router and switch configuration setup by 50 %, streamlining the process through the development of a Base Configuration Generator tool that creates downloadable configurations based on engineer inputs.
- Successfully deployed the web applications on AWS, leveraging cloud infrastructure to enhance scalability, reliability, and performance. | **Tech Stack Used:** React.js, HTML, Tailwind CSS, Python, Flask, AWS

June 2023 – Aug 2023

Network Software Engineer Intern

Denver, CO

- Enhanced cost estimation accuracy for planned network configuration costs at hub sites by developing a web application Summary Report Generator using HTML, CSS, JavaScript, and React.js
- **Tech Stack Used:** React.js, Python, FastAPI, Tailwind CSS

Trimble

Sep 2023 – May 2024

Software Engineer - Capstone

Westminster, CO

- Empowered SketchUp users to generate executable Ruby code for creating 3D models by developing the UI section of Trimble SketchUp AI assistant.
- Enhanced user experience by providing important information and suggestions related to 3D models using RAG techniques. | **Tech Stack Used:** React.js, Python, FastAPI

Tata Consultancy Services

June 2021 – June 2022

Associate Software Engineer

Hyderabad, India

- Achieved 40 % faster application response times for Equitable's flagship web applications (Broadridge-Investigo and LABS), enhancing user experience through frontend development, optimization, and deployment via Azure DevOps CI/CD pipeline. | **Tech Stack Used:** React.js, Javascript, HTML, CSS, Java, Azure DevOps, CI/CD

Technical Skills and Certifications

Languages: Python, Javascript, HTML, Tailwind CSS, Java, C++

Technologies: React.js, Vue.js, Django, Flask, Node.js, AWS, Azure DevOps, FastAPI, Ansible, NPM, Parcel

Certifications: [AWS Certified Solutions Architect](#), [Microsoft Azure Fundamentals - AZ-900](#)

Education

University of Colorado Boulder

Aug 2022 – May 2024

Master of Science in Computer Science (GPA: 3.93 / 4.00)

Boulder, CO

- **Relevant Coursework:** Design and Analysis of Algorithms, Natural Language Processing, Object Oriented Analysis and Design, Data Mining.

Kakatiya Institute of Technology and Science

Aug 2017 – May 2021

Bachelor of Technology in Computer Science (GPA: 3.62 / 4.00)

Warangal, India

- **Relevant Coursework:** Python, Java, Data Structures and Algorithms, Computer Networks, Operating Systems, Database Management System, Web Programming, Software Engineering.

Projects

Swiggy Clone | React JS, Javascript, Tailwind CSS, NPM, Parcel

- Developed a Swiggy clone by integrating live API data to replicate core functionalities, utilizing React for dynamic, reusable components and enhancing the user interface with Tailwind CSS for a visually appealing and responsive design.