

DHEERAJ REDDY INUGALA

📞 720-957-2357 ✉️ [Gmail](#) [LinkedIn](#) [GitHub](#)

Work Experience

Spectrum

May 2024 – present

Network Software Engineer

Denver, CO

- Worked on developing Base Config Generator tool, accelerating router configuration setup by 50 % through streamlined creation of 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:** Vue.js, HTML, Tailwind CSS, Python, Flask, AWS

Trimble

Sep 2023 – May 2024

Software Engineer - Capstone

Westminster, CO

- Developed the SketchUp Assistant web application to generate Ruby code and provide detailed information related to 3D models and the SketchUp application.
- Fine-tuned the GPT-4.0 model to serve as a large language model (LLM), optimizing it to generate Ruby code and answer queries related to the SketchUp application. | **Tech Stack Used:** React.js, Python, FastAPI, Tailwind CSS, HTML

Spectrum

June 2023 – Aug 2023

Network Software Engineer Intern

Denver, CO

- Developed a web application Summary Report Generator using HTML, CSS, JavaScript, and Vue.js. This tool enhances cost estimation accuracy by generating detailed reports on planned network configuration costs at hub sites.
- Developed Python and Ansible automation scripts to streamline and optimize the pre-check and post-check processes for router configuration, enhancing efficiency and accuracy in network management.
- **Tech Stack Used:** Vue.js, Python, Flask, Tailwind CSS, Ansible.

Tata Consultancy Services

June 2021 – June 2022

Associate Software Engineer

Hyderabad, India

- Led frontend development and optimization for Equitable's flagship web applications, Broadridge-Investigo and Life and Annuity Brokerage Statement (LABS). Achieved 40 % faster application response times, enhancing user experience.
- Migrated Broadridge-Investigo and Life and Annuity Brokerage Statement (LABS) applications from on-premises servers to Azure Cloud, reducing data loading times. Performed regression testing and deployed code changes using Azure DevOps. | **Tech Stack Used:** Javascript, HTML, CSS, Java, Azure DevOps

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.

Technical Skills and Certifications

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

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

Certifications: [AWS Certified Solutions Architect](#)