Anudeep Nayak

github.com/Anudeep-Nayak | 303-269-9785 | anudeep.nayak@protonmail.com
Linkedin.com/Anudeep-Nayak/ | anudeepnayak.dev | **Available Immediately**

EDUCATION

MS in Data Science   August 2023 - May 2025
University of Colorado Boulder   **GPA 3.93**

B. Tech in Computer Science and Engineering   August 2018 - June 2022
Manipal Institute of Technology

SKILLS

Languages & Database: Python, Java, Javascript, Typescript, SQL, MySQL, React, ArangoDB, AQL, R, HTML, CSS, Redis
Tools & Technology: Git, Github, Agile, CI/CD, Jenkins, REST APIs, AWS, Azure Cloud, IBM Cloud, GCP, Docker, Kafka

PROFESSIONAL EXPERIENCE

Graduate Student assistant   September 2024-April 2025
University of Colorado Boulder - BOLD   Boulder, Colorado
- Streamlined scholarship tracking system using **Python** and **Pandas**, saving over **288 hours** annually
- Created a **HTML/Javascript** templates to see personalized scholarship requirements during student counseling session

Software Engineer   July 2022 - August 2023
GE Healthcare   Bangalore, India
- Developed and deployed over **20** software features using **Java** and **SQL** on **Azure Cloud**, emphasizing quality and scalability in a collaborative **Agile** team environment
- Collaborated directly with stakeholders to integrate authentication **APIs**, streamlining supply chain data entry and reducing processing time by **80**%
- Diagnosed and resolved **40**+ bugs annually, leveraging **CI/CD** and source control(**Git**) tools to enhance system stability and minimize downtime by **20**%

Software Engineering Intern   January 2022 - June 2022
GE Renewable Energy   Bangalore, India
- Modernized and deployed user interfaces with **Angular (HTML**, **CSS**, and **TypeScript)** on **AWS** using **Jenkins CI/CD** pipeline, delivering **12**+ user stories within six months
- Enhanced code quality through **unit testing** and cleanup, increasing test coverage from **45**% to **80**% and reducing duplication by 50%
- Developed a ratings page to capture **NPS** as a **KPI** index. The redesign increased the number of customers giving ratings by **10%**

PROJECT EXPERIENCE

AniTA network (AI TA)   University of Colorado Boulder
- Built and deployed an AI-powered teaching assistant web app using **Django**, **Docker**, and **Google Cloud Platform**
- Integrated **LLM APIs (Claude)** and **RAG** for automated grading, achieving **90**% accuracy in intelligent workflow automation
- Wrote Graph algorithms in **AQL (ArangoDB)** to prevent AI Hallucination, Group Mistakes, and rank resources

Clearhead   Personal Project
- Built intelligent task management system in **React native(Typescript)** to optimize productivity for ADHD users
- Implemented **random forest** to analyze user patterns and provide personalized task prioritization recommendations

Dota 2 chatbot   University of Colorado Boulder
- Engineered game-specific chatbot with **OpenAI GPT-4 LLM** and custom **RAG** pipeline for real-word AI applications
- Achieved **95%** accuracy for factual game queries and **80%** for contextual questions through optimized prompt engineering

AWARDS

GE Renewables Hackathon   Jun 2022
1st Place
- A resume categorization system using **KNN** algorithm and **scikit-learn** with 83% Classification accuracy