Venkata Nayini

469-449-5027 | dal074854@utdallas.edu | Dallas, TX | linkedin.com/in/rishi-nayini | github.com/rishinayini

EDUCATION

The University of Texas at Dallas Expected May 2028

Bachelor of Science, Computer Science, Minor in Statistics

- GPA: 3.6/4.0
- Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Linear Algebra, Calculus I, II, III, Theoretical Concepts of Calculus, Discrete Math, Probability in Computer Science

SKILLS

Technical: Java & Python, JavaScript & TypeScript (along w/React.js) HTML, Tailwinds CSS, SQL, NumPy, SciPy, PaddleOCR, OpenCV, Uvicorn & FastAPI

Conceptual: RESTful Design Principles, Client-Server Architecture, Computer Vision, Object-Oriented Programming, Data Structures and Algorithmic Analysis

EXPERIENCE

VANNA INFOTECH, Irving, TX Oct. ’26 – Current

SWE Intern (Remote)

- Developing strong enterprise SWE fundamentals via practical assignments involving Java, Spring Boot, REST APIs, SQL, database transactions, security, and automated testing
- Learning component architecture, state management, REST API integration, responsive UI development

PROJECTS

DEVPATH: **Make roadmaps, solve coding problems, share info in communities**

- **Progress:**
    - Prompt-engineered a Next.js/React/TypeScript coding-practice platform from a Figma prototype w/Claude using an Elo-based problem engine & WebAssembly Python execution

ORGANIZATIONS

NEBULA LABS Sept. ‘26 - Current

Engineer for **TRENDS: A Nebula Labs open-source web application for course planning**

- Part of Team Portfolio, who manage UTD Trends along w/other Nebula services (Skedge, Planner, etc.)
- **Responsibilities**:
    - Maintained and built features for UTD Trends, using **React/Next.js**
    - Fixed production bugs found through Sentry error monitoring, working with GitHub issues that come w/code review and **CI checks**

ARTIFICIAL INTELLIGENCE SOCIETY Sept. ‘26 - Current

Mentee for **NABU: AI language tutor (Handwriting Analysis Team)**

- Member of AI mentorship program (AIM); working under two mentors to build Nabu
- **Responsibilities**:
    - Built a handwriting error detector in **Python** that identifies differences from characters and reference glyphs using **NumPy & SciPy** for skeleton-based chamfer-distance matching
    - Exposed it as a **FastAPI** REST API, incorporating multilingual text recognition using **PaddleOCR**