Saumil Nalin

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Profile Summary:

As an IT enthusiast, I have been trained in AWS Cloud, Google AI, Azure OpenAI Services and Python/Java coding. In college, I led projects like Automation via OpenAI API and Thermoacoustic lab experimentation. I was also the MATLAB Student Ambassador at MathWorks, deeply involved with Physics, CS and Mechanical Engineering students at the University of Texas at Dallas. I am seeking an opportunity where I can combine my technical skills with effective communication and strong leadership to meet the organizational goals and progress in my career path. I bring fresh insights in AI applications, captivated by the transformative potential of the latest technologies.

Education:

Bachelor of Science: Physics and Computer Science Dec 2023

The University of Texas at Dallas GPA: 3.34

Academic Excellence Scholarship

Skills:

- Java and Python Programming - Azure OpenAI/NLP & LLM/Embeddings - HTML/CSS/NodeJS/React

- AWS/Azure Resources - Microsoft Office Suite - CAD

- MATLAB & Simulink - Terraform & Ansible - Effective Communication

- Problem Solving - Team Leadership

Certifications:

- Google Analytics - Google Cloud Generative AI Fundamentals - AWS Certified Cloud Practitioner

- MATLAB Fundamentals - LPS Qubit Collaboratory Summer of Quantum - Generative AI solutions with Azure

Projects:

Storybook Generator AI May 2023 – May 2023

- Utilized Python with OpenAI and Streamlit APIs to develop an AI frontend that generates a picture book from a given title including up to 5-pictures, and an audio recording to narrate the story.

Speech to Image Converter Apr 2023 – Apr 2023

- Employed OpenAI API to convert audio to image using speech-to-text for transcription and integrated that into image generation.

ECS Chatbot Feb 2023 – Apr 2023

- Built OpenAI-powered chatbot to aid engineering campus advisors with student FAQs.

- Utilized extractive AI on department website PDF data obtained via web scraping, reducing advisor workload.

Study on the Thermoacoustic Effect Jan 2023 – May 2023

- Led a 5-month thermoacoustic research project, involving CAD-based stack design, complex electronics manipulation, instrumentation, and successful recreation of thermoacoustic effects, demonstrating strong teamwork and technical expertise in experimental design.

Work Experience:

MathWorks, MATLAB Student Ambassador Mar 2023 – Dec 2023

- Explained a crucial engineering resource to assist over 100 students in connecting with engineering interests.

- Coordinated social media communications with over 300% increase in account reach and interaction in 9 months.

Kappa Theta Pi Fraternity – Mu Colony, Back-End Developer Feb 2023 – Aug 2023

- Built OpenAI-powered chatbot to aid engineering campus advisors’ load with over 200 tested student FAQs.

- Utilized extractive AI on department website 87-page PDF data obtained via web scraping.

Society of Physics Students, Treasurer Aug 2020 – Dec 2023

- Financed a 501(c)(3) organization established to promote physics on campus with over 50 members.

- Coordinated with other officers to hold 2-3 events per semester and gain student reach of over 200%.