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
- AWS Cloud Services
- MATLAB
- Problem Solving
- Artificial Intelligence
- Microsoft Office Suite
- Terraform & Ansible
- Team Leadership
- Web Development
- CAD
- Effective Communication

Certifications:

- Google Analytics
- MATLAB Fundamentals
- Google Cloud Generative AI Fundamentals
- LPS Qubit Collaboratory Summer of Quantum
- AWS Certified Cloud Practitioner
- 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%.