Nisanth Nimashakavi

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https://github.com/Nisanth-Nimashakavi/

EDUCATION

Rutgers University   Newbrunswick, NJ
Bachelor of Science in Data Science   *Aug. 2024 – May 2028*

EXPERIENCE

Student Bono Internships and Volunteer   May 2023 – August 2024
Various Non-Profits
- Developed custom full-stack applications to streamline operations and enhance efficiency for non-profits, reducing costs by over 100%.
- Delivered cost-effective tech solutions tailored to organizations lacking developer resources, saving over $10,000 collectively.
- Collaborated with non-profits to optimize workflows and implement digital tools that improved productivity and social impact.

Lead Martial Arts Instructor   January 2023 – August 2024
West Coast World Martial Arts   *California, USA*
- Designed and implemented a comprehensive training program that improved students' tricking technique proficiency by 30% within six months.
- Managed and mentored a team of three instructors, ensuring consistent delivery of high-quality, personalized coaching sessions.
- Directed advanced training initiatives that increased student retention by 30% through customized progression tracking and feedback-based improvement plans.
- Incorporated innovative tricking methodologies and skill-development frameworks to enhance both performance and engagement across all student levels.

PROJECTS

LeetDuel Online | leet-duel-online.vercel.app | *FastAPI, PostgreSQL, React, Typescript, Vercel*   Jan 2024 – Present
- Developed a real-time multiplayer competive coding platform using FastAPI, and PostgreSQL, enabling interactive competitive learning.
- Deployed scalable backend on Render and frontend on Vercel; integrated authentication, leaderboards, and problem tracking.

Shot Sense | github.com/nimnim111/ShotSense | *Python, TensorFlow, CNN, UI Design*   Aug 2024 – Present
- Implemented real-time gunshot detection models achieving 98% accuracy with a 1-second response delay in live and simulated environments.
- Applied Convolutional Neural Networks (CNNs) to enhance detection precision and system reliability.
- Designed a user-friendly interface for clear visualization and immediate gunshot alerts.

Research Paper | zenodo.org/records/13897047 | *Natural Language Processing, Python, Gpt-4*   July 2023
- Conducted NLP-based research to identify and mitigate biased language in job descriptions, promoting fairer recruitment.
- Developed models detecting linguistic bias that deters underrepresented groups, supporting inclusive workplace culture.

TECHNICAL SKILLS

Large Language Models: GPT-5, Claude Sonnet 4 / Opus 4, Gemini 2.5 (Pro / Flash), Llama 4 (Scout / Maverick)
Machine Learning / Deep Learning: TensorFlow, PyTorch, Keras, Scikit-learn, pandas, NumPy
Programming Languages: Java, Python, Dart,R, Typescript, Javascript
Frameworks: Flask, Django, FastAPI (Python); Flutter (Dart)
Areas of Expertise: LLM Development, CNN Architectures, Machine Learning, Full-Stack Application Development