AASHNA NITIN KUNKOLIENKER

Portfolio: https://aashnakunk.github.io/
Email: aashnakunk@gmail.com
Phone: +1(347)3824780
GitHub: https://github.com/aashnakunk

EDUCATION

New York University, Tandon School of Engineering | New York, USA
M.S. in Computer Engineering September 2023 - Current
Cumulative GPA: **3.945/4.0**
Teaching Assistant for 'CS3083-Database Systems' September 2024 - Current
Teaching Assistant for 'CS1122-Introduction to Computer Science' January 2024 - May 2024

Manipal Institute of Technology | Karnataka, India
B. Tech in Computer Science and Engineering July 2019 - May 2023
Minor specialization: Machine Learning
Cumulative GPA: **9.01/10.0**

CERTIFICATIONS

AWS Certified Machine Learning - Specialty July 6th, 2024
Cisco Certified Networking Associate (CCNA) February 16th, 2023

WORK EXPERIENCE

L&T Technology Services, Peoria, Illinois | *Software Engineering Intern* May 2024 - August 2024
- Customized a farming simulator game for John Deere using Lua, integrating live inputs from hardware equipment.
- Developed server-client code in C# using AWS EC2 for hosting and managing simulations, following best architectural patterns.

Nutanix Inc, Bengaluru, India | *Systems Reliability Engineer Intern* January 2023 - June 2023
- Diagnosed virtualization issues (Nutanix AHV and VMware ESXi), disk-related problems, and Linux administration.
- Created a dashboard to monitor SRE employee activities using React, Node.js, and Django, improving team efficiency.

Invenger Technologies, Mangalore, India | *Machine Learning Engineer Intern* June 2022 - August 2022
- Optimized ECG abnormality detection using residual neural networks, improving test accuracy from 86% to 92%.

Siemens Ltd., Goa, India | *Computer Vision Intern* July 2021 - August 2021
• Automated device serial number recognition on the production line processing ~500 devices daily using Computer Vision and Microsoft PowerApps.

ACADEMIC PROJECTS

Generating CBOE Volatility Index values using Deep Learning | NYU April 2024
- Developed a Generative Adversarial Network to generate realistic Chicago Board Options Exchange (CBOE) volatility index data and fine-tuned hyperparameters to enhance model accuracy.

Real-time Parkinson's Tremor Detection System | NYU February 2024 - May 2024
- Developed a real-time tremor detection system using the STM32F429ZI microcontroller and gyroscope sensors, using detailed angular velocity analysis to accurately identify tremor patterns and provide real-time monitoring.

TECHNICAL SKILLS

Python, C, C++, Java, JavaScript, Lua, AWS Sagemaker, Apache Spark, Django, TensorFlow, PyTorch, OpenCV, CUDA C, AWS, Docker, Kubernetes, SQL, Hadoop, Linux Administration (disk and network troubleshooting), VMware ESXi, Nutanix AHV, Wireshark, Git Version Control

ADDITIONAL

Trinity College of London
- Grade 8: Western Classical Piano, Grade 7: Theory of Music, Grade 6: Alto Saxophone, Grade 6: Western Concert Flute, Grade 5: Electric Guitar, Grade 8: Speech and Drama (Performing Text)