KANAD NALESHWARKAR

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EDUCATION

Virginia Tech, Blacksburg, VA **Jan 2023 – Dec 2024 (Expected)**
Master of Engineering, Computer Science and Applications
GPA: 4.0/4.0
Relevant Courses: Advanced Machine Learning, Software Engineering

Savitribai Phule Pune University, Pune, India **Aug 2016 – May 2020**
Bachelor of Engineering in Computer Engineering
GPA: 7.5/10.0
Relevant Courses: Machine Learning, Data Analytics, Operating Systems, Data Structures and Algorithms

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C++, SQL
Frameworks: AWS (EC2, S3, ECR, SageMaker), PyTorch, TensorFlow, scikit-learn, Jupyter, OpenCV
Software: Git, Docker, Kubernetes, Jenkins, MySQL, Google Colab, Anaconda, ChatGPT, Replit

EXPERIENCE

Hansen Technologies, Pune, India **May 2023 – Aug 2023**
Software Developer (Consultant)

- Engineered a robust bulk order processing tool utilizing **OpenSearch** technology, enabling efficient retrieval and reprocessing of failed telecom orders.
- Leveraged prior experience to write comprehensive training modules and detailed documentation for new hires, shortening their training period by 50%
- Collaborated with a team of support analysts to draft Standard Operating Procedures (SOPs) that optimized troubleshooting processes, resulting in enhanced productivity and streamlined operations.

Hansen Technologies, Pune, India **Nov 2020 – Dec 2022**
Software Developer

- Led the development of **Java** adapters to enable seamless communication between the service provisioning product and ground telecom components using **REST APIs**.
- Handled the complete containerization process of microservices using **Docker**, orchestrating seamless container management and scaling through **Kubernetes** across multiple nodes.
- Spearheaded the establishment of robust CICD pipelines with **Jenkins**, automating the deployment process on **AWS** and reducing the deployment time by 75%

PROJECTS

Evaluating Cross-Modal Retrieval Performance of DiHT Model on Conceptual Captions Dataset **Jan 2023 – May 2023**
Evaluated Meta's DiHT model on Google's Conceptual Captions dataset, assessing its performance in both image-to-text and text-to-image retrieval tasks. Effectively utilized several instances of Google Colab and Kaggle **Jupyter notebooks** to speed up the evaluation.
GitHub Repo

RepoRanger **Jan 2023 – May 2023**
Implemented a seamless integration of GitHub and Discord APIs in **JavaScript**, empowering team members to effortlessly manage their GitHub project repository, streamline CI/CD pipelines and track issues—all within a unified and efficient Discord channel environment.
GitHub Repo

AR Sticky Notes **Jan 2020 – May 2020**
Developed an Android app that uses Augmented Reality and Computer Vision to augment digital sticky notes to the real world. Used OpenCV to detect and encode keypoints.

PUBLICATION

A Comparative Study of Various Key-Point Detector-Descriptor Algorithms for Augmented Reality Applications **May 2020**
International Conference on Emerging Trends in Engineering and Technology (ICETET), Nashik
Paper Link

INVITED TALK

Webinar on Innovative and Collaborative Approaches for Scaling Capstone Projects **Aug 2022**
Modern Education Society's College of Engineering, Pune
Introduced undergraduate students to various approaches for scaling capstone projects. Covered concepts on REST APIs, Docker, Kubernetes and Jenkins.
Webinar Recording