

Arya Shah

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EDUCATION

- NMIMS University** Mumbai, India
 - Bachelor of Technology - Computer Science; GPA: 3.67/4.0* *July 2019 - June 2023*
 - Student Researcher, Dept. of Computer Engineering:** AI research in healthcare technology in collaboration with Nanavati Max Super Speciality Hospital.
 - Student Ambassador:** Representing college through significant contributions in academic research and competitive hackathons.

SKILLS

- Languages:** Python, SQL, JavaScript, C++
- Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Langchain, FastAPI, Streamlit, Flask, FastAPI, Express, HTML, CSS, ReactJS, NextJS, NodeJS, Prisma, Typescript
- Tools:** Docker, Kubernetes, GIT, MongoDB, PostgreSQL, Postman, Jira, StarUML
- Platforms:** AWS, Azure, Vercel, Netlify, OpenAI, HuggingFace, Heroku, Salesforce

EXPERIENCE

- ZS Associates** Pune, India
 - Associate Software Engineer (Full-time)*
 - Automation Scripts and API Solutions:** Development using SQL, SSJS, AMPscript, HTML, CSS, Python, and Postman to scale and serve 12 million users daily.
 - Developer Utility Tools:** Engineered utility tools and scripts to streamline system integration testing, achieving a 66.67% reduction in manual effort.
 - Integrating GPT APIs:** Package developed to enable real-time dynamic email content generation driven by large language model (LLM) data.
- LyondellBasell** Mumbai, India
 - Cloud DevOps Engineer (Internship)*
 - YAML Pipelines Migration:** Migrating C# project build pipelines from Azure DevOps to GitHub Actions using DevSecOps solutions.

PROJECTS

- 3DNNVisualizer:** 3D Neural Network visualizer for YOLO v2 - tiny, AlexNet, LeNet. Built with Javascript, Tensorflow JS, Keras and TensorSpace JS.
- Pac-VR:** Classic Pacman in VR, Suitable for Google Cardboard and Equivalent Devices. Built with Javascript, A-Frame, HTML, CSS
- AryaGPT:** Webapp to answer questions about my resume leveraging Langchain, OpenAI, Streamlit
- PikaWrap:** A wrapper library for Pokemon API making it easier to build into other Python scripts through a quick import. Built with Python, hosted on PyPi.

RESEARCH PUBLICATIONS

- Audio Classification of Emergency Vehicle Sirens Using Recurrent Neural Network Architectures
- Monkeypox Skin Lesion Classification Using Transfer Learning Approach
- Prediction of Polycystic Ovary Syndrome (PCOS) Using Optimized Machine Learning Classifiers

CERTIFICATIONS

- AZ-900, Microsoft Certified: Azure Fundamentals
- DP-900, Microsoft Certified: Azure Data Fundamentals
- AI-900, Microsoft Certified: Azure AI Fundamentals

PATENTS

- Intellectual Property of India, Patent Number: 202321049964**
 - Detection Of Anomalies In Civil Infrastructure Using Context Aware Semantic Computer Vision Techniques*
- Intellectual Property of India, Patent Number: 202321055491**
 - Multi-Sensor Vehicle Positioning System Employing Shared Data Protocol*
- United Kingdom Design Grant, Design Number: 6343269**
 - Wireless Transaction Security Device*