SAURABH BHAUSAHEB ZINJAD

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EDUCATION

Arizona State University, Tempe, USA August 2023 - May 2025
Masters of Science in Computer Science (GPA: 4/4)

Relevant Courses: *Social Media Mining, Knowledge Representation and Reasoning Algorithms, Statistical Machine Learning*

Pune Institute of Computer Technology(PICT), Savitribai Phule Pune University, India July 2015 - June 2019
Bachelor of Engineering (GPA: 8.53/10)

Relevant Courses: *DSA, OOP, OS, System Programming, Computer Networks, Information Theory, Artificial Intelligence, Machine learning, Digital Video and Image Processing*

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C#, C++, SQL, R, Java, Shell Scripting
Data Science: Databricks, PySpark, TensorFlow, PyTorch, MXNet, OpenCV, Scikit Learn, Pandas, Matplotlib, Keras
Cloud and DevOps: Azure, AWS, Docker, Kubernetes, MLFlow, Jupyter Notebook, Git
Full-Stack Tech: Angular, React, .Net Core, NodeJs, Django, Flask, FastAPI, MongoDB, SQL Server, MySQL, Postman
Certifications: **Deep Learning Specialization**, **MLOps for AI Engineers and Data Scientists**, **Microsoft Azure Fundar**

WORK EXPERIENCE

Tiger Analytics Bangalore, India
Senior Machine Learning Engineer June 2022 - July 2023

- Led a team of 8 analysts in developing Interactive Dashboards, Constraint-based ML Models, Web App, Data & CI/CD pipelines, and Comprehensive Documentation for MSP Value Optimization in the Petcare sector.
- Developed the MLCORE product, an end-to-end MLOps platform, attracting four significant clients by implementing research ideas, prototyping, backend API implementation, and integration with cloud services.

Winjit Technologies Pune, India
Software Engineer January 2020 - June 2022

- Engineered RESTful APIs Architecture and Distributed services, designing responsive UI/UX application features and optimizing web architecture.
- Designed a standardized solution for dynamic forms generation, reducing development time by 8x, and led a 12-member cross-functional team.

Automation Teknix Pune, India
Deep Learning Engineer September 2019 - January 2020

- Devised a lightweight Object Recognition Engine with low computational cost, leveraging the SSD algorithm with MobilenetV2 architecture, reducing survey error by 22%.
- Conducted initial research, prototyped neural network flow, and trained models, resulting in a 7% increase in accuracy and a 2x reduction in inference time.

PROJECTS

Search Engine for All file types 3 Nov 2023 - 5 Nov 2023

- Converted and stored every file type data as vector embeddings, ensuring low-latency search capabilities.
- Utilized Machine Learning techniques such as BERT, OCR, ResNet50, and Image Captioning for parsing Image features.
- Contributed to Elasticsearch implementation for blazing-fast search responses, achieving millisecond response times.
- Led Python FAST API and Angular development, providing efficient data access and retrieval.

Prompt Engineering Hackathon for Humanities 13 Oct 2023 - 15 Oct 2023

- Led SouL LLM Brews to 1st runner-up position in the "Prompt Engineering Hackathon for Humanities."
- Demonstrated creative problem-solving and explored AI storytelling tools to create innovative collaborations between humans and machines.
- Developed Pro Tips for Prompting, optimizing LLM parameters for creativity, and experimenting with different ChatBots for diverse responses.
- Collaborated with an AI personas team, enhancing focused and productive discussions.

Forest Fire Detection using IoT Sensor Data September 2021 - January 2022

- Devised a TabNet Classifier Model with 98.7% accuracy in detecting forest fires through IoT sensor data, deployed on AWS and edge devices.

· Utilized technologies such as TinyML, Docker, Redis, and Celery for model deployment.
· Performed model exploration, analysis, and optimization.