

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 Fundamentals

WORK EXPERIENCE

Tiger Analytics

Bangalore, India

Senior Machine Learning Engineer

June 2022 - July 2023

- Led a team of 8 analysts to spearhead the development of 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, by implementing research ideas, prototyping, backend API implementation, and integration with cloud services, attracting four significant clients.

Winjit Technologies

Pune, India

Software Engineer

January 2020 - June 2022

- Designed and developed RESTful APIs Architecture and Distributed services.
- Designed high-quality web architecture for 30+ low-latency responsive UI/UX application features.
- Led a cross-functional team of 12 members to create a standardized solution for dynamic forms generation, reducing development time by 8x.

Automation Teknix

Pune, India

Deep Learning Engineer

September 2019 - January 2020

- Developed a Lightweight Object Recognition Engine with low computational cost using the SSD algorithm with MobilenetV2 architecture, reducing survey error by 22%.
- Conducted 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.
- Utilized Machine Learning techniques such as BERT, OCR, ResNet50, and Image Captioning.
- Contributed to Elasticsearch implementation for blazing-fast search responses.
- Led Python FAST API and Angular development.

Prompt Engineering Hackathon for Humanities

13 Oct 2023 - 15 Oct 2023

- Led SouL LLM Brews to 1st runner-up position.
- Crafted an AI persona, LLM Brews, for innovative collaborations between humans and machines.
- Explored AI storytelling tools and presented innovative ideas in a humorous manner.

Forest Fire Detection using IoT Sensor Data

September 2021 - January 2022

- Devised a TabNet Classifier Model with 98.7% accuracy.
- Deployed on AWS and edge devices using technologies TinyML, Docker, Redis, and Celery.
- Performed Model Exploration, Analysis, and Optimization.