

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

- Spearheaded development of Interactive Dashboards, Constraint-based ML Models, Web App, Data & CI/CD pipelines and Comprehensive Documentation for MSP Value Optimization in Petcare sector with a team of 8 analysts.
- Developed MLCORE product (end-to-end MLOps platform) by implementing research ideas, organizing through prototyping, backend API Implementation and Integrating it with numerous cloud services, attracting an additional four significant clients.

Winjit Technologies

Pune, India

Software Engineer

January 2020 - June 2022

- Engineered 10+ RESTful APIs Architecture and Distributed services; Designed 30+ low-latency responsive UI/UX application features with high-quality web architecture; Managed and optimized large-scale Databases.
- Initiated and Designed a standardized solution for dynamic forms generation, with customizable CSS capabilities feature, which reduces development time by 8x; Led and collaborated with a 12 member cross-functional team.

Automation Teknix

Pune, India

Deep Learning Engineer

September 2019 - January 2020

- Devised a Lightweight Object Recognition Engine with a low computational cost by leveraging an SSD algorithm with MobileNetV2 architecture, which decreased survey error by 22%.
- Conducted thorough Initial research; prototyped neural network flow; conceptualized POC, training, and monitoring of models. This resulted in a 7% increase in accuracy and reduced inference time by 2x.

PROJECTS

[Streamlining Job Applications with LLM Automation Pipeline](#)

Oct 2023 - Dec 2023

- Developed Python library to optimize the job application workflow that generates curated resumes and personalized cover letters tailored to specific job roles.
- Utilized advanced techniques including Prompt Engineering, Web Scraping, and integration of various Large Language Models to enhance the effectiveness of the application.

[Search Engine for All file types - Sunhack Hackathon - Meta & Amazon Sponsored](#)

3 Nov 2023 - 5 Nov 2023

- Big Data Awards in Python FAST API and angular development, providing efficient data access and retrieval.
- Converted and stored every file type data as vector embeddings, ensuring low-latency search capabilities.
- Used Machine Learning techniques such as BERT, OCR, ResNet50, and Image Captioning to parse Image features.
- Contributed to Elasticsearch implementation for blazing-fast search responses, with millisecond response times.

[GenAI's Capabilities and Boundaries Exploration - Prompt Engineering Hackathon for Humanities](#)

13 Oct 2023 - 15 Oct 2023

- 1st runner up prize in crafted AI persona, to explore LLM's subtle contextual understanding and create innovative collaborations between humans and machines.
- Addressed limitations in narrative flow, simplicity, emotional depth, and hallucinations through innovative approaches.

- Demonstrated creative mindset and ability to navigate complex tasks and adapt to evolving requirements during hackathon.
- Successfully identified and addressed challenges in LLM's storytelling capabilities.
- Demonstrated the ability to navigate complex tasks and adapt to evolving requirements during the 17-hour hackathon.

ACHIEVEMENTS

- 1st runner-up in "Prompt Engineering Hackathon 2023 for Humanities"
- Best Data Awards in Major League Hacking sponsored hackathon SunHacks 2023.
- Received the 'Extra Miller - 2022' award at Tiger Analysis for outstanding performance.
- President of Machine Learning Club: Led a team of 20 people in a project and was awarded "Best Project of the Year 2019."
- Finalist in E-yantra Robotics Competition 2018 - IITB.
- Dance Section's Head of PICT Art Circle: Best dance choreography for Winning "Firodiya theater competition 2019."
- Performed in multiple award-winning state-level drama competitions and received the best-organized team prize thrice.
- An active member of the NSS (National Community Service Group in PICT) in 2016.