

# 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, Microsoft Azure Fundamentals,

## WORK EXPERIENCE

### Tiger Analytics

Bangalore, India

Senior Machine Learning Engineer

June 2022 - July 2023

- Led a team of 8 analysts to develop 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. 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

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- 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.