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 Fundan

WORK EXPERIENCE

Tiger Analytics   Bangalore, India
Senior Machine Learning Engineer   June 2022 - July 2023
· Developed Interactive Dashboards, ML Models, Web App, Data & CI/CD pipelines for MSP Value Optimization in Petcare sector with a team of 8 analysts
· Built the MLCORE product (end-to-end MLOps platform) integrating it with various cloud services, attracting four significant clients

Winjit Technologies   Pune, India
Software Engineer   January 2020 - June 2022
· Engineered RESTful APIs Architecture and Distributed services; Designed responsive UI/UX application features with high-quality web architecture; Managed and optimized large-scale Databases
· Designed a standardized solution for dynamic forms generation, reducing development time by 8x; 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 by leveraging an SSD algorithm with MobilenetV2 architecture, decreasing survey error by 22%
· Conducted research, prototyped neural network flow, and trained models, resulting in a 7% increase in accuracy and reducing 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, generating 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
· Developed Big Data Awards-winning Python FAST API and angular development project, providing efficient data access and retrieval
· Converted and stored file type data as vector embeddings, ensuring low-latency search capabilities
· Utilized Machine Learning techniques such as BERT, OCR, ResNet50, and Image Captioning to parse Image features
· Contributed to Elasticsearch implementation for blazing-fast search responses

GenAI's Capabilities and Boundaries Exploration - Prompt Engineering Hackathon for Humanities 13 Oct 2023 - 15 Oct 2023
· Received 1st runner up prize in crafting AI persona, exploring LLM's subtle contextual understanding and creating innovative collaborations between humans and machines

- Addressed limitations in narrative flow, simplicity, emotional depth, and hallucinations
- Demonstrated creative mindset and ability to navigate complex tasks and adapt to evolving requirements during the hackathon
- Successfully identified and addressed challenges in LLM's storytelling capabilities

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 Analytics for outstanding performance
- Led a team of 20 people in a project and was awarded 'Best Project of the Year 2019' as the President of the Machine Learning Club
- 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
- Active member of the NSS (National Community Service Group in PICT) in 2016