

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: Data Structure and Algorithms, Object Oriented Programming, Operating System, 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

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,

DevOps / SRE

CI/CD, Git, Jenkins, Docker, Kubernetes, EC2, ECR, S3

Certified Google Cloud Platform Associate Cloud Engineer.

WORK EXPERIENCE

BigCommerce

Austin, Texas

Data Science Intern

June 2023 - August 2023

- Constructed a logistic regression predictive classifier machine learning model for 3 million opportunities, utilizing **SQL**, **ETL**, and **data modeling techniques**, to predict customer retention post-7-day trial with increased accuracy of 12%.
- Executed insightful **Exploratory Data Analysis (EDA)**, implementing effective data strategies to elevate data quality and lay a robust foundation for predictive modeling.
- Presented findings and new ideas for Hyper-personalization using AI to the director of technology, resulting in enterprise-scale adoption for driving business growth.

Publicis Sapient

Bangalore, India

Data Engineer - II

June 2019 - July 2022

- Engineered complex **ETL** pipelines using **Apache Spark**, optimizing data **extraction**, **transformation**, and **loading** from diverse sources, such as **Redshift**, **S3**, **Kinesis Streams**, and **Kafka**.
- Utilized distributed computing frameworks such as **Apache Spark** to manage **large-scale data processing** tasks, enhancing performance and resource utilization by 15%.
- Ensured data accuracy, integrity, and consistency through robust data quality checks and automated testing frameworks.
- Designed and maintained **real-time data streaming** solutions with **Apache Spark**, and **GCP Cloud Run** staying current with the latest candidate activities.
- Utilized **AWS Lambda**, and **SNS** for scheduled data transformations, cutting pipeline run-time by 2 hours weekly.

PROJECTS

Search Engine for All file types - Opportunity Hackathon

- Spearheaded **Elasticsearch** implementation for blazing-fast search responses, with **millisecond response times**.
- Converted and stored every file type data as **vector embeddings**, ensuring **low-latency search** capabilities.
- Led **Python FAST API development**, providing efficient data access and retrieval.
- Used Machine Learning techniques such as BERT, OCR, ResNet50, and Image Captioning to parse Image features.
- Collaborated** effectively with team members, optimizing task distribution for streamlined project completion.

Scalable Data Processing Pipeline - Neo4J, Docker, Kafka and Minikube

- Designed and implemented a highly scalable and available data processing pipeline using **Kubernetes**, **Kafka**, **Docker**, **Neo4j**.
- Orchestrated the setup of **Kafka** and **Apache Zookeeper** using **Minikube**, a lightweight **Kubernetes** implementation.
- Streamlined data ingestion, and processing into **Neo4j**, applying **PageRank** and **BFS** for graph-based data exploration.

Email Automation Marketing Tool

- Initiated and completed the development of a robust email automation project, streamlining job application outreach and networking efforts with individuals of similar interests. employed REST API integration to acquire and manage a comprehensive contact database from CRM tools, demonstrating prowess in **full-stack development** and **API design**.