

Zecil Jain

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SUMMARY

Proficient in **Python**, **cloud computing** (AWS, Azure), and **machine learning**, with a proven ability to enhance system performance and streamline processes. Led initiatives that reduced operational downtime by **40%** and increased data processing efficiency by **20%**. Developed AI-powered solutions that improved data retrieval speed by **60%** and supported **500+ users**. Expertise in **database management** (PostgreSQL, MySQL), building scalable architectures, and deploying **ML algorithms** (NLP, computer vision) to solve real-world challenges. Known for delivering data-driven solutions that increased business outcomes, including a **25%** boost in sales conversions.

EDUCATION

University of Texas at Arlington	Master of Science in Computer Science	Aug 2024 – May 2026
Gujarat Technological University	Bachelor of Engineering in Computer Engineering	Jun 2018 – Jun 2022

PROFESSIONAL EXPERIENCE

IT Consultant Marwadi Infosys Inc	Aug 2023 – Jul 2024
<ul style="list-style-type: none">Conducted an in-depth evaluation of IT systems, optimizing architecture that refined operational workflows and reduced downtime by 40%; revamped cloud solutions on AWS and Azure to ensure scalability and reliability.Analyzed existing infrastructures through rigorous statistical modeling, uncovering nine areas of inefficiency; the recommended upgrades to PostgreSQL and MySQL facilitated a 20% increase in data throughput for better performance .	
Machine Learning Engineer Omdena	Aug 2022 – Apr 2023
<ul style="list-style-type: none">Collaborated on engineering an AI-powered digitization system with ML and NLP, boosting data retrieval by 60% and improving accessibility for 500+ users via machine translation.Revamped the vehicle recognition system through advanced real-time data analysis and computer vision techniques, ensuring monitoring across 50+ locations; first-quarter results showed a significant drop in illegal activity reports.	
Python Developer Intern Skyscend Business Solutions Pvt. Ltd.	Jan 2022 – Apr 2022
<ul style="list-style-type: none">Developed and deployed purpose-built Odoo ERP applications for SMEs using Python and PostgreSQL, achieving a 40% reduction in processing time and optimizing backend performance.Formulated robust analytics within the custom Odoo ERP system, resulting in actionable insights that revised workflow efficiency by reducing manual entry errors, directly benefiting over 100 active users daily.	

SKILLS

Programming Languages: Python (Scikit-Learn, Keras), Java, HTML/CSS, R, SQL, Javascript.
Tools and Frameworks: GIT, Tableau, Power BI, Django, Angular, Flask, REST APIs, Docker, Kubernetes, Linux(OS), Looker, Flink, Spark, Apache Kafka, Apache Airflow, Apache Mahout, Hadoop, Hive, Unity Engine, Jupyter, Tensorflow.
Cloud Services and Database: AWS, S3, Azure, GCP, PostgreSQL, Cassandra, NoSQL, MongoDB.

PROJECTS

Vibe Play Fast API, MySQL , Transformers, Jupyter	Jul 2022 – Sept 2022
<ul style="list-style-type: none">Designed a responsive Python-driven model focused on identifying users' moods via facial recognition technology; achieved precise emotion tracking with less than 5% margin of error during practical tests.Streamlined playlist generation process, reducing average retrieval time to under 3 seconds; implemented improved data algorithms that enhanced user satisfaction and created seamless navigation for users across the platform.	
Equation Digitizer OCR, CNN, Jupyter, TensorFlow, Flask	Apr 2022 – Jun 2022
<ul style="list-style-type: none">Modernised an efficient pipeline combining NLP techniques with CNN architecture, resulting in a more intuitive system that handled diverse handwriting styles while maintaining over 90% accuracy rate on test inputs.Enhanced accessibility and boosted student engagement in online math classes by 30% through transformed interactive learning experiences.	
Fleet Sales Odoo ERP, Python, PostgreSQL, Javascript, Agile Methodologies	Jan 2022 – Mar 2022
<ul style="list-style-type: none">Led the design and deployment of a custom Odoo ERP system for a Malaysian automotive client, reducing transaction disputes by 25% and enhancing customer satisfaction through streamlined data tracking.Developed a market price prediction tool using ML algorithms to analyze 500+ data points, driving a 25% increase in sales conversions and strengthening competitive positioning with real-time insights.	

CERTIFICATION

WorldQuant Applied Data Science Lab 	Nov 2022
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