VIVEK KULTHE

Senior Technology Leader - Data & AI

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SUMMARY

Senior Data & AI Leader with 20 years of experience in data and AI technologies, specializing in leading global teams to design and deploy scalable AI/ML solutions.

• **AI/ML Expertise**: Proficient in machine learning frameworks such as TensorFlow, PyTorch, and Scikit-Learn, with expertise in implementing AI solutions using AWS Bedrock, SageMaker, and Azure AI Studio. Skilled in fine-tuning LLM Foundation Models and building RAG (Retrieval-Augmented Generation) systems leveraging Amazon Bedrock for enterprise-scale applications.

• **Data Engineering & Big Data**: Extensive experience with modern data ecosystems and SaaS, including Kafka, PySpark, Databricks, Snowflake, Airflow, Fivetran and dbt. Skilled in SQL, NoSQL, data visualization tools (Tableau, Power BI), and data manipulation libraries (Pandas, NumPy, SciPy).

• **Cloud & Edge Deployment**: Proven expertise in deploying AI/ML solutions on cloud platforms (AWS, Azure), leveraging tools like SageMaker and Azure ML. Experienced in optimizing models for edge environments using Docker and Kubernetes.

• **Leadership & Strategy**: Adept at aligning data strategies with business goals, driving cross-functional collaboration, and mentoring teams to deliver secure, high-performing AI/ML solutions that fuel innovation and growth.

EXPERIENCE

Senior Engineering Manager, Data

Atlassian   📅 04/2020 - 08/2024   📍 Bangalore, India

Key Achievements:

- Built and led a global team of 30+ experts, including managers, architects, data engineers, analysts, and scientists, driving over $1M in ARR opportunities.
- Spearheaded recruitment, training, and performance management as the site lead for data engineering in India, fostering growth and thought leadership within the data teams.
- Designed and implemented advanced ML algorithms and data pipelines that streamlined regulatory compliance reporting, enabling process transformation and earning the 2024 Gartner Finance Transformation Award for the finance team.
- Migrated the Enterprise Data Warehouse (EDW) to cloud-based platforms (AWS and SaaS), leveraging Fivetran, dbt, Databricks, Immuta, and Tableau, achieving 20% cost savings, faster time-to-market, simplified maintenance, and enhanced data governance.
- Built, trained, and deployed scalable ML models using Amazon SageMaker to enhance customer segmentation and personalize recommendations, improving marketing ROI by 18%.
- Leveraged Amazon Bedrock to integrate generative AI capabilities into workforce analytics, enabling HR teams to identify and address workforce attrition risks proactively, reducing turnover by 12%.
- Collaborated with Product, Engineering, Finance, and HR teams to align AI-driven data solutions with business objectives, ensuring measurable impact across departments.
- Developed and deployed predictive ML models using Python, TensorFlow, and PyTorch to integrate Anaplan's finance and workforce data, reducing payroll forecast deviations by 15%.

EDUCATION

Professional Certificate Program in Data Science & Artificial Intelligence

Indian Institute of Management, Kozhikode (IIMK)

📅 03/2024 - 12/2024

Master of Computer Management (M.C.M.)

University of Pune, Symbiosis Institute for Computer Studies & Research

📅 2001 - 2003

Bachelor of Science (B.Sc.) Electronics

University of Pune, Fergusson College

📅 1997 - 2001

CERTIFICATIONS

Data Landscape of GenAI for Project Managers

by Project Management Institute

Microsoft Certified: Azure AI Fundamentals

by Microsoft (AI-900)

Ethics and Governance of Artificial Intelligence for Health

by World Health Organization

Certified Blockchain Expert™

by Blockchain Council

Certified FinTech Expert™

by Blockchain Council

Snowflake Essentials – Data Warehouse

by Snowflake

Python for Data Science

by IBM

Machine Learning with Python

by IBM

ITIL® v4 Foundation

by Axelos

Analyzing & Visualizing Data with Microsoft Power BI

by Microsoft + edX

EXPERIENCE

Senior Manager, Data & Business Intelligence | India Site Leader

Veritas Technologies   📅 09/2017 - 04/2020   📍 Pune, India

Key Achievements:
- Led a team of 15+ data engineers and analysts to deliver data-driven solutions, enhancing trust in data systems across the organization.
- Redesigned the EDW solution to an AWS-based cloud platform, improving message throughput by 40% and reducing latency by 30%, enabling near-real-time business-critical data processing.
- Implemented tailored development and mentoring plans to address underperformance, achieving a 90% improvement in team outcomes.
- Improved productivity and reduced project costs by $200K/year by in-sourcing key tasks and driving efficient project management practices.
- Drove 20% quarterly revenue growth by enabling data support for key features such as custom dashboards, ML insights, and third-party integrations.
- Boosted data quality pass rates from 78% to 87% by optimizing validation processes and enhancing data integrity across the system.
- Optimized AWS costs by 20% ($200K/year) through tagging, rightsizing, while maintaining system performance and scalability.

Assistant Vice President, Data Analytics

Credit Suisse   📅 01/2015 - 09/2017   📍 Pune, India

Key Achievements:
- Integrated new features into data models, improving development efficiency by 30%, reducing test cycles, and saving $300K annually.
- Led migration initiatives from on-prem Oracle solutions to Oracle Cloud Infrastructure (OCI), cutting infrastructure costs by 20% ($300K annually) and enhancing system performance.
- Architected and implemented enterprise BI platforms, achieving 99.9% uptime, scaling to accommodate 2x data volume growth, and saving $200K annually in infrastructure and maintenance costs.
- Served as the primary point of contact for technical issues in Risk & Finance, eliminating unnecessary support tiers, boosting team productivity, and saving $100K annually in operational costs.
- Redesigned data solutions to ensure high reliability and performance in BI platforms, reducing system downtime and saving $200K annually in lost productivity.
- Streamlined Oracle BI license payments, identifying duplicate charges for the same user across multiple servers, saving $100K annually in licensing costs.

Software Engineering Associate Manager

Accenture   📅 08/2014 - 01/2015   📍 Pune, India

Key Achievements:
- Led and mentored a team of 10+ Oracle BI Apps professionals, driving the successful completion of a major project, and improving team performance through targeted coaching and skill development.
- Designed and developed Oracle BI Apps solutions, including data warehouse modeling, ETL processes, and reporting, resulting in faster project delivery and aligning solutions with business requirements.
- Managed end-to-end project execution, delivering projects on time and within budget, maintaining 100% adherence to high-quality standards, and achieving cost savings.
- Collaborated with stakeholders to implement Oracle BI Apps solutions, enhancing data-driven decision-making and improving operational efficiency by 25% (MTTR).
- Increased stakeholder satisfaction (from CSAT 3.5 to 4.8) by delivering projects on time and within budget, contributing to a 37% increase in positive feedback and engagement.
- Implemented process improvements (agile scrum) that enhanced project effectiveness, improving team productivity by 25% and saving operational costs.

PAST EXPERIENCE

Sr. Technical Specialist
📅 12/2013 - 08/2014
Zensar Technologies

Technical Leader
📅 07/2010 - 12/2013
Wipro Technologies

Package Solution Consultant
📅 09/2007 - 07/2010
IBM India Pvt. Ltd.

Technical Associate
📅 12/2005 - 08/2007
Tech Mahindra Ltd.

Associate Consultant + Contractor + Trainee
📅 01/2004 - 12/2005
Kanbay Software (now Capgemini)

TRAINING / COURSES

AI/ML for Geodata Analysis
by Dept of Space ISRO / IIRS

Jira Essentials with Agile Mindset
by Atlassian University

Fivetran Bootcamp : Zero to Mastery
by Udemy

Zero to dbt on Snowflake Data Cloud
by dbt Labs

SKILLS

Soft Skills

Tech Leadership | People Management
Strategic Planning & Execution
Stakeholder Management | Innovation
Process Optimisation | Communication

Technical Skills

Big Data | Machine Learning
Data Science | Data Engineering
Data Analytics | DevOps / MLOps
Python | SQL | Artificial Intelligence
AI Ethics | AI Governance | Gen AI