# Runaksh Bandekar

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## SUMMARY

- Accomplished hands-on technical AI manager with a solid background in leading and mentoring teams to develop and implement state-of-the-art AI solutions.
- Possess a track record of successfully delivering complex AI projects on time and within budget, leveraging expertise in machine learning, deep learning, computer vision and natural language processing
- Adept at translating business needs into actionable AI strategies and ensuring seamless collaboration between technical and non-technical stakeholders.
- Known for driving innovation and achieving outstanding results in AI-driven initiatives

## EXPERTISE

**Technical:**
- Generative AI, LLM, Hugging face, Auto encoders, GAN, Speech to text, GPT, LLaMA
- NLP – Naïve Bayes, RNN, LSTM, Transformers, BERT
- Computer Vision – CNN, Transfer Learning, FCN, YOLO, Fine Tuning, R-CNN
- Deep Learning, Linear Regression, Logistic Regression, Decision Tree, Random Forest, CatBoost, XGBoost
- AWS EC2, ECR, ECS, Cloud9, Load Balancing
- Basics of Azure
- VS Code, Github actions, Dockers, DVC, mlFlow, DagsHub, Parallelism, openMP, MPI, Time Complexity, Prometheus, Grafana
- Database - Oracle SQL & PLSQL, SQL Server, Hive, Impala
- ETL - Informatica PC, Informatica Data Quality, Alteryx
- Data Visualization – Tableau
- Python, Unix
- Erwin, Microsoft Visio, SQL Developer,TOAD
- ML Ops Methodologies, Agile framework, JIRA, Kanban Boards

**Industry Experience:**
- Banking, Financial Services
- Telecommunication
- Healthcare
- Aviation

**Soft Skills:**
- Excellent communication, leadership, analytical, planning, coordination and interpersonal skills

## CERTIFICATIONS

- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified: Azure AI Fundamentals
- Alteryx Designer Core Certification
- Alteryx Machine Learning Fundamentals
- Certified Scrum Master

## EXPERIENCE

### ASSISTANT VICE PRESIDENT
*(2016 - Present)*
**DEUTSCHE BANK** - Bangalore, India

- Create and execute a forward-looking plan for the Advanced Analytics division, ensuring its alignment with the broader business objectives and goals
- Design the data preprocessing and preparation pipeline to guarantee that the training data is well-suited for generative AI tasks
- Planning and deploying the following AI/ML applications, which encompass model development, data preprocessing, model training, hyperparameter tuning, model evaluation, deployment, version control, model serving, and monitoring
- TensorFlow APIs and keras components to construct machine learning and deep learning models by selecting model structures, specifying layers, and setting model parameters
- Create MLOps pipelines to facilitate continuous integration and continuous deployment (CI/CD), containerization with Docker, and cloud-based operations
- Design Transformer architectures from BERT model for Text Classification and Text Summarization
- Develop valuable use cases and design applications utilizing Large Language Models (LLMs) while focusing on optimizing prompts and engineering them effectively across various organizations
- Organizing AI and ML training sessions across the organization to facilitate knowledge sharing

### TECHNICAL LEAD
*(2012 - 2016)*
**PWC** - Bangalore, India

- Lead the Technical Team from offshore for an End-to-End Data Warehousing project
- Responsible for requirement gathering, building Technical Documents and developing mappings.
- Responsible for interacting with business users and sending status updates to the Client.
- Worked on process improvements in mappings to bring down the loading time efficiently and improve the performance.
- Have played as a Subject Matter Expertise in the second phase of the project
- Worked across multiple technical teams in providing ETL solutions

### SENIOR SOFTWARE ENGINEER
*(2010 - 2012)*
**WIPRO** - Bangalore, India

- Worked as a Senior Developer in Data Migration and Data Conversion projects
- Responsible for building Technical Documents and Developing mappings
- Responsible for data load through ETL mappings and debug the run-time issues
- Performing Unit Testing, Integration Testing and coordinating User Acceptance Testing
- Worked on production migration of the Data

### SOFTWARE ENGINEER
*(2007 - 2010)*
**PATNI COMPUTERS SYSTEMS LTD** - Bangalore, India

- Developing and testing of mappings
- Writing Sql Scripts, Unix Scripts and scheduling and monitoring of ETL jobs
- Responsible for code migration, performance tuning and fixing the defects

## EDUCATION

### PG LEVEL ADVANCED CERTIFICATION PROGRAMME IN AI AND MLOPS
*(Feb 2023-Dec 2023)*
**INDIAN INSTITUTE OF SCIENCE [IISC]** - Bangalore, India

### BE – ELECTRONICS & TELECOMMUNICATION ENGINEERING
*(2003-2007)*
**GOA ENGINEERING COLLEGE [GEC]** - Goa, India