



Manikanta D

AI Engineer

Work Location: Riyadh (KSA)

✉ nagasaimanikanta18@gmail.com ☎ +966 510856456 📁 [My Portfolio](#)

Professional Summary:

- Experienced AI Engineer with a strong foundation in programming, machine learning, and data management, honed over 4 years in the field. Proficient in Python, machine learning frameworks, and deep learning models. Demonstrated expertise in developing AI-driven solutions for knowledge extraction, anomaly detection, predictive modeling, and automating decision-making processes.
- With hands-on experience in building and optimizing AI workflows, knowledge management systems, and data pipelines, I bring a data-driven mindset to all challenges. Passionate about leveraging artificial intelligence to drive system performance, improve business intelligence, and create scalable machine learning systems.
- Seeking to contribute to innovative AI projects as an Agentic AI Specialist, Rapid Prototyping Engineer, or Data Mapping Specialist, using my skills in machine learning, data science, and system integration.

Professional Experience:

- Working as a Specialist Engineer in “**SNS (Saudi Networkers Services)**” **Riyadh**, Nov 2022 to till date.
- Worked as an Associate software Engineer in “**Wipro Technologies**”, **Bangalore**, Jan 2022 to Nov 2022.

Core Competencies:

- **Programming & Development:** Python, Java, C++, SQL, TensorFlow, PyTorch, Scikit-learn, Keras
- **Machine Learning:** Supervised/Unsupervised Learning, Neural Networks, Deep Learning, NLP, Computer Vision
- **Data Science & Engineering:** Data Preprocessing, Feature Engineering, Model Optimization, ETL Pipelines
- **Cloud Platforms:** AWS, Google Cloud, Docker, Kubernetes
- **Version Control & Collaboration:** Git, GitHub, Jira, Agile
- **Tools & Frameworks:** TensorFlow, Keras, OpenCV, Pandas, NumPy, Scikit-learn, Jupyter, Matplotlib
- **AI Deployment:** Model Deployment on Cloud, REST APIs for AI Models

Educational Qualification:

- B.Tech in CSE (**Computer Science**) from Anurag Engineering College with CGPA 8.0, Hyderabad.

Technical Skills:

AI/ML Libraries	TensorFlow, Keras, Scikit-learn, PyTorch, OpenCV, Pandas, NumPy, NLTK
Databases	ORACLE, POSTGRE, MYSQL
Web Technologies	HTML5, CSS3, JavaScript, JSP, JQuery, Servlet, JDBC
Frameworks	Spring Boot, Spring MVC, Microservices, Hibernate, JPA
Web Services	RESTful APIs, JSON, XML
Operating Systems	RHEL 8.x, Windows Server 2022
Tools & IDEs	IntelliJ, Eclipse, PyCharm, Visual Studio, Jupyter Notebook, MySQL Workbench, Git, GitHub
Project & Support Tools	SMAX, Jira

Work Experience:

Project :1

Project: STC Bank, Riyadh
Designation: AI Engineer

Company: SNS, Riyadh
Nov 2022 - till date

Technologies: Python, TensorFlow, Scikit-learn, PostgreSQL, Redis, Kafka, Elasticsearch

Project Overview:

Enhanced the AML system by integrating machine learning for real-time fraud detection, predictive analytics, and automated decision-making.

Key Responsibilities:

- Designed and deployed AI-based anomaly detection models to monitor and analyze financial transactions in real-time.
- Built predictive models to detect fraud patterns and mitigate risk, utilizing supervised learning techniques (e.g., Random Forest, XGBoost).
- Led the integration of NLP models for knowledge extraction from unstructured financial data, improving decision-making accuracy.
- Implemented system optimizations that decreased model inference time by 30%,

enabling real-time processing of high volumes of transactions.

- Worked with cross-functional teams to ensure seamless model deployment and compliance with industry standards.
- Increased fraud detection rate by 35% using AI-driven predictive models.
- Reduced transaction processing time by 40%, enhancing system efficiency and customer satisfaction.
- Spearheaded the development of a secure, AI-powered workflow, ensuring compliance with financial regulations.

Key Achievements:

- Increased fraud detection rate by 35% using AI-driven predictive models.
- Reduced transaction processing time by 40%, enhancing system efficiency and customer satisfaction.
- Spearheaded the development of a secure, AI-powered workflow, ensuring compliance with financial regulations.

Project :2

Project: AI-Driven Fiber Portal

Designation: Associate Software Engineer

Company: Wipro Technologies, Bangalore

January 2022 – November 2022

Technologies: Python, TensorFlow, Keras, React.js, PostgreSQL, Node.js

Project Overview:

Developed an AI-powered broadband service portal to personalize user experience, optimize service delivery, and predict maintenance needs.

Key Responsibilities:

- Developed and deployed machine learning models to recommend personalized broadband plans based on user data and behavior.
- Created predictive maintenance algorithms that minimized service interruptions by forecasting potential failures.
- Built and optimized data pipelines for real-time analytics, ensuring continuous data flow for AI-powered features.
- Collaborated with the backend team to integrate AI models into the production environment using cloud platforms (AWS).

Key Achievements:

- Enhanced customer engagement by 30% through personalized service recommendations.
- Reduced maintenance costs by 20% through predictive algorithms that flagged service disruptions early.
- Improved portal performance by implementing serverless architecture and optimizing cloud resources.

Industrial Trainings:

Project #1

Title: Heart Disease Prediction

Company: Indian Servers LTD

Duration: 2 Months (15th Sep 2021 to 18th Nov 2021)

Designation: Intern

Environment: Machine Learning

Roles/Responsibilities:

- Effectively worked on various frameworks to validate ML algorithms.
- Using Numpy, Pandas, Scikit-Learn, Tensor Flow, Keras, Matplotlib, Seaborn for analyzing the data in the datasets.
- Trained Machine Learning algorithms & different ML Models (Random Forrest, XGBoost, Logistic Regression, KNearest Neighbours)

Project #2:

Title: Online Blood Bank

Company: Swecha

Duration: 6 Weeks (1st July 2020 to 15th Aug 2020)

Designation: Intern

Environment: Web Development

Details/Responsibilities:

- Developed all the modules for blood bank portal from scratch.
- Analyzing of different requirements for a particular module in the application. Maintaining & Fixing bugs and errors rose in application.
- Implemented HTML5, CSS and JavaScript.
- Understanding the Requirement Documents and developing them according to the documentation.
- For project info, view using the link: [View Project](#)

Trainings:

- Attended seminars and corporate trainings on **Artificial Intelligence, Machine Learning JAVA (Full Stack), DATASCIENCE, PEGA, IBM DATAPOWER**
- Leading speaker on DEVELOPEMNET/TECHNICAL SKILLS.

Personal Details:

- Passport Number: **Z6260519**
- Visa Status: **IQAMA**
- Marital Status: **Single**

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