



JAGADEESH A

Chennai, Tamil Nadu, India

+919080110103

ajagadeesh1618@gmail.com

<https://www.linkedin.com/in/jagadeesh-a-Sbab87223>

github.com/jaggi1618

Professional Summary

Versatile Data Scientist with hands-on experience in data analytics, machine learning, and engineering. Expertise in analyzing complex datasets, building predictive models, and optimizing business processes. Proficient in Python, SQL, and advanced data visualization tools like Tableau and PowerBI. Skilled in deep learning frameworks such as PyTorch and TensorFlow, with a solid foundation in AWS services. Adept at problem-solving, process optimization, and delivering impactful, data-driven solutions in fast-paced environments.

Education

JNN Institute of Engineering, Chennai, Tamil Nadu, India

B.Tech in Artificial Intelligence and Data Science (CGPA: 8.10/10.0) | 2021 - 2025

Certifications

- Advanced Machine Learning (Udemy)
- Python for Data Science (IBM)
- Data Science Job Simulation (British Airways)
- Project Fundamentals (IBM)
- Azure Data Science Associate (DP-100)
- AWS Services (Udemy)

Technical Skills

- **Programming Languages:** Python, R , SQL , C , JAVA , Pyspark(Spark)
- **Machine Learning:** Supervised and Unsupervised Learning, Boosting Algorithms , quantum AI
- **Deep Learning Frameworks:** PyTorch, TensorFlow

- **Data Visualization & Dashboarding:** Tableau, PowerBI, IBM cognos analytics, AI spreadsheets , DAX measures , SSRS , Data modelling (EER relationships & diagram)
 - **Cloud Platforms:** AWS (S3, Athena, EC2, RDS, SageMaker) | Azure Databricks & services
 - **MLOps:** Model Deployment, CI/CD Pipelines
 - **Generative Ai :** Large language models(LLM) , Retrieval augmented generation (RAG)
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Professional Experience

Part-time Data science and programming trainer

Computer software college, Chennai, Tamil Nadu

Jan 2025 – Current

- **Conducted hands-on training** in data analytics and data science, covering Python, SQL,C,JAVA and machine learning concepts.
- **Designed and delivered curriculum** on data visualization, predictive modeling, and statistical analysis for students.
- **Mentored students** on real-world projects, helping them develop **problem-solving skills and industry-relevant expertise**.

Data Scientist Trainee

Greater Chennai Corporation, Chennai, Tamil Nadu

June 2024 – August 2024

- Designed and developed interactive dashboards from public grievance data, **improving reporting efficiency by 25%**.
- Forecasted time series data for future grievances with an **accuracy of 92% using supervised and deep learning techniques**.
- Identified and interpreted trends in complex datasets, **enhancing decision-making speed by 20%**.

Data Analyst Intern

Acetech Machinery Components Pvt. Ltd, Chennai, Tamil Nadu

June 2023 – August 2023

- Analyzed large datasets from multiple sources to identify patterns and trends, **increasing process efficiency by 15%**.
- Conducted data cleaning, validation, and organization to ensure accuracy, reducing error rates by 20% . Leveraged Scikit-Learn and Pandas for efficient data analysis tasks.

- Deployed analytics through dashboards, **resulting in a 30% improvement in data accessibility.**
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Projects

Climate Forecasting using Quantum AI

- Utilized quantum computing algorithms to build predictive models for climate forecasting.
- Achieved a 12% improvement in accuracy using Quantum Neural Networks compared to classical methods.
- Designed end-to-end data pipelines with PySpark and distributed computing, reducing data processing time by 15%.

Forecasting Grievances using Boosting Algorithms

- Developed models using Python and machine learning algorithms like AdaBoost, CatBoost, and XGBoost to predict future grievances.
- Achieved a 90% prediction accuracy, enabling proactive measures by the Chennai Corporation.
- Utilized SQL for efficient data storage and querying, optimizing the pipeline by 25%.

Deep Learning Model Optimization with PyTorch

- Developed and trained custom deep learning models using PyTorch, achieving a 10% reduction in training time through model optimization.
- Implemented transfer learning techniques on large datasets, improving model accuracy by 15%.
- Deployed models on AWS EC2, ensuring scalability and reliability.

Sales Performance Dashboard for Retail Chain

- Utilized SQL to collect, clean, and structure sales data from multiple sources.
 - Built interactive dashboards in Tableau and PowerBI to visualize performance trends, KPIs, and customer segmentation.
 - Regularly updated models and dashboards to reflect real-time data for stakeholders, improving reporting efficiency by 30%.
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Languages

- English (Professional Proficiency)
- Tamil (Native)
- German(A1 - Beginner Proficiency)
- Japanese (N5 - Beginner Proficiency)