VISHAKHA MAHESHWARI

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OBJECTIVE

Aspiring Data Scientist with hands-on experience in machine learning, NLP, and predictive analytics. Passionate about applying advanced AI techniques to solve real-world problems and contribute to research in data-driven decision-making.

EDUCATION

Vellore Institute of Technology (VIT)   *2021-2025 |Vellore, India*
Bachelor of Technology in Computer Science and Engineering

Abu Dhabi Indian School   *2011-2021 |Abu Dhabi, UAE*
Grade 12: 93.2%
Grade 10: 93.4%

INTERNSHIPS

Gradiant Industries -L.L.C – S.P.C   *Aug 2025 - Present |Abu Dhabi, UAE*
AI Enablement Intern
- Developed a **custom GPT solution** leveraging **RAG (Retrieval Augmented Generation)** and **LangChain** to enhance internal knowledge management and automation.
- Designed and deployed a machine learning + Streamlit pipeline for sales forecasting, improving decision-making and predictive accuracy for business teams.
- Gaining hands-on experience with **AWS cloud services** for scalable deployment, data processing, and model integration.

Zurich Kotak General Insurance   *Jan 2025 - May 2025 |Mumbai, India*
Data Analyst Intern, Application Team
- Developed and deployed 3 **real-time Qlik Sense dashboard applications** used daily by Operations, Finance and Health teams to monitor KPIs.
- Integrated and transformed data from SQL, Oracle, and Excel using Qlik scripting for multi-branch performance insights.
- Designed optimized ETL pipelines using **Smart Load**, reducing refresh times by 40% and ensuring data reliability.
- Implemented **Section Access** to ensure row-level data security and compliance.

Deloitte & Touche (M.E.)   *Oct 2023 - Dec 2023 |Abu Dhabi, UAE*
Data Analyst Intern, Audit & Assurance
- Created interactive dashboards with **Excel** and **Power BI**, reducing manual reporting by 50% and improving cross-department visibility.
- Cleaned, merged, and modeled 100K+ rows of HR and finance data for **quarterly compliance** and **workforce trend analysis.**
- Partnered with senior analysts to tailor visualizations and reporting logic, resulting in **30% faster** turnaround on stakeholder decisions

PERSONAL PROJECTS

Advanced Resume Parsing Tool | Python, NLP, Streamlit
- Automated extraction of key resume fields from PDFs, reducing manual screening time by ~40%.
- Integrated Named Entity Recognition (NER) and interactive visualizations to promote unbiased hiring decisions.

Bulldozer Price Prediction Model
- Built a Random Forest regression model with thorough feature engineering, hyperparameter tuning, and cross-validation to predict bulldozer prices.
- Achieved R^2 of 0.95 and RMSE of 0.12, enabling accurate pricing forecasts for strategic business decisions.

Fake News Detection with LSTM
- Classified real vs. fake news with ~90% accuracy using advanced text preprocessing (NLTK, Gensim).
- Visualized data insights with WordCloud, Seaborn, and Plotly for enhanced exploratory data analysis

VOLUNTEER EXPERIENCE & LEADERSHIP ROLES

Volunteer | Annamrita Foundation   *Jan 2025-May 2025 |Mumbai, India*
- Assisted in preparation and distribution of mid-day meals for schoolchildren
- Supported logistics to ensure timely and efficient delivery of meals, improving operational consistency.

Doc& GE |Riviera|VIT, Vellore   *Feb 2023|VIT*
- Managed event logistics, increasing attendance by 30%.
- Created promotional content, boosting outreach by 40%.

Creative Head | Krysallis Club | ADIS, Abu Dhabi   *2019-2020|ADIS, Abu Dhabi*
- Coordinated logistics for 100+ attendees, enhancing coordination and efficiency.
- Designed promotional materials, enhancing outreach by 40%.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C++, SQL
Developer Tools: Qlik Sense, Tableau, Excel, VS Code, Power BI
Libraries & Frameworks: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Streamlit, TensorFlow, Keras, NLTK, Gensim, SpaCy, PyPDF2

RELEVANT COURSEWORK

- Machine Learning, Artificial Intelligence, Natural Language Processing, Predictive Analytics
- Database Systems, Data Structures & Algorithms
- Probability & Statistics, Discrete Mathematics & Graph Theory
- Calculus, Differential Equations & Transforms, Complex Variables and Linear Algebra

CERTIFICATIONS

- Machine Learning - Stanford University (Instructor: Andrew Ng)   *Sept 2025*
- AWS Solutions Architect Associate (Instructor: Adrian Cantrill)   *In Progress*