

Abhishek Kumar

Data Scientist | Machine Learning | Analytics

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Professional Summary

Data Science postgraduate with hands-on experience in machine learning, deep learning, data cleaning, feature engineering, cloud integration, deployment, and model monitoring. Skilled in Python, R, SQL, Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, and Jupyter Notebook. Strong foundation in statistics, predictive modeling, and problem-solving with proven ability to build scalable, user-centric data solutions.

Achievement

TCS NQT Qualified

- Qualified TCS NQT Aptitude and coding round for **prime roles**.
- Selected for TCS AI Cloud (SE) Digital Role.

Experience

AI-Powered Data Insights Intern — TOEHO AI (Jan 2026 – Present)

- Extraction of Data from social media and news websites.
- Testing the software for improvement and issues resolve.
- Making the analytics dashboard based on the data extracted.

Key Projects

Graph Net – Intelligent Knowledge Graph (2025)

Built using Python, web scraping, Neo4j, and NetworkX. Developed relevance-ranked graph architecture, personalized recommendation logic, and prerequisite-based knowledge sequencing.

ARG Data & Modeling – No-Code ML Platform (2025)

Developed drag-and-drop ML workflows supporting data cleaning, feature engineering, visualization, and model training. Backend used TensorFlow, PyTorch, Pandas, NumPy; frontend enabled rapid prototyping and deployment.

Dynamic R Dataset Analysis Tool (2025)

Created an R Shiny platform enabling no-code statistical analysis including OLS, ANOVA, hypothesis testing, correlation, and time-series visualization. Integrated automated dashboards for monitoring insights.

Stock Comparison Web App (2024)

Developed using Streamlit, BeautifulSoup, and yfinance to compare stock prices and visualize trends.

AI E-Learning Chatbot (2021)

Built using Python, pytsx3, and Wikipedia API to deliver interactive responses for student queries.

Education

M.Sc. Data Science — Vellore Institute of Technology (VIT-AP), 2024–2026 (CGPA: 8.65)

Relevant Coursework: Machine Learning, Deep Learning, Data Mining, Cloud Computing, Statistical Modeling, Advanced Analytics, Big Data Processing

B.Sc. Mathematics — BRABU University, 2020–2023

Skills

- Programming: Python, R, SQL, Java, MATLAB
- ML/DL: Scikit-learn, TensorFlow, PyTorch, CNN, ANN, Feature Engineering, Model Deployment & Monitoring
- Tools: Pandas, NumPy, Tableau, Power BI, Matplotlib, Seaborn, Jupyter Notebook, Git, Streamlit
- Databases: MySQL, MongoDB, Neo4j
- Cloud: AWS, OCI, Cloud Integration, Model Deployment Pipelines

Certifications

- Oracle Generative AI Professional (2025)
- AWS Cloud Essentials (2025)
- German A1–A2 (IIT Madras)
- Python ML — NIT Warangal (Beginner & Advanced)
- Remote Sensing & GIS — ISRO
- Accenture Data Analytics & Visualization Job Simulation
- TCS iON Career Edge — Soft Skills

Soft Skills

- Communication and Presentation
- Team Collaboration
- Analytical Thinking
- Problem-Solving
- Adaptability
- Time Management

Research

IEEE Paper — *Synergistic Effects of Learning Rate, Optimizer & Activation Function on CNN Training*. Compared multiple activation functions and optimizers with dynamic learning rate tuning.