

NEEL MANI

Highly accomplished Data Scientist with 10+ years of experience, specializing in NLP, Language Models, and Generative AI. Expertise in automating Bug scrubbing with cutting-edge Generative AI techniques for telecom companies. Skilled in designing conversational AI for Retail and quantifying unstructured data for knowledge bases. Proven track record of developing ML applications for US clients and Fortune 500 companies. Committed to driving innovation and excellence in data science projects.



Contact

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Education

2020-02 - 2022-02

Master of Science: Data Science

Higher School of Economics, National Research Univ -

Moscow, Russia

- CGPA - 8.9
- Master's Thesis: Multi-Lingual Text Classification for Extreme Class Using Transformer



Skills

Data Science



Excellent

Machine Learning



Excellent

Natural Language



Processing

Excellent

Document Information



Extraction

Excellent

Deep Learning



Very Good

Python



Excellent



Certifications

- Machine Learning Foundations, University of Washington

- Applied Text Mining in Python, University of Michigan

- Neural Networks and Deep Learning, deeplearning.ai

- The Data Scientist's Toolbox, Johns Hopkins University

- Introduction to TensorFlow for Artificial Intelligence,

Machine Learning, and Deep Learning, deeplearning.ai -

Google



Work History

2019-02 - Current

Technical Leader - AI- ML

Capgemini, Bangalore, Karnataka

- Spearheaded an innovative initiative to automate the Bug scrubbing process leveraging cutting-edge Generative AI and NLP technologies, resulting in enhanced efficiency and productivity.
- Achieved an impressive 91% accuracy in designing and implementing information extraction from multilingual documents using NLP and ML, leading to a remarkable 50% reduction in Full-Time Equivalents (FTE). This, in turn, contributed to a remarkable 2% boost in revenue growth.
- Demonstrated exceptional leadership skills by successfully managing a high-performing team of 10 experts, driving them to deliver outstanding results across diverse projects.
- Pioneered the development of an advanced anomaly detection system for network data using ML, culminating in a remarkable 3% reduction in downtime, significantly enhancing operational efficiency.
- Designed and executed a state-of-the-art conversational AI solution by harnessing the power of Knowledge Graph, NLP, and deep learning, enabling the seamless processing of information from over 1000 product documents within the knowledge graph.
- Drove cross-functional collaboration with customers, internal teams, and stakeholders to gain comprehensive insights into complex business challenges. Instrumental in strategic planning, flawless implementation, and seamless integration of cutting-edge data science projects, such as chatbots and CPU usage predictions.
- Demonstrated exceptional linguistic expertise by developing an Automated Ticketing System utilizing text classification in the French language, streamlining ticket management processes, and enhancing customer support efficiency. Helped customer in better tracking issue and reduced effort by 70%

2017-12 - 2019-02

Data Scientist

Prescience Decision Solution, Bangalore, Karnataka

- Developed conversational AI platform for enabling retail business to work smoother faster and smarter using NLP/ NLU and Python and Rasa. Helped in better store management and increased revenue by 2%.
- Developed document classifier for document classification using machine learning and NLP. Classifier accuracy 85%.

2017-03 - 2017-11

Data Scientist

BeWo Technologies, Bangalore, Karnataka

- Designed and automated data pipeline for 1400+ stores for getting analytical solutions for customers, products, and stores.
- Developed analytical solution like customer segmentation, product sales forecasting.
- Advertisement recommendation model developed for Retail PoS systems. Conversion ratio of 30%.
- Supporting client management team using ad hoc analysis

2015-12 - 2017-02

Data Scientist

Impact Analytics, Bangalore, Karnataka

- Market watch application development for print and copy client in US. Managed 30+ products for determining price elasticity. Helped client to optimize similar products price.
- Sentiment analysis for ecommerce client in US for sales improvement. Model accuracy was 92%.
- Applied statistical and algebraic techniques to interpret sales and inventory from different data sources. Established frameworks for running sales and inventory reports for 3000 stores in US.

2012-07 - 2015-07

Software Engineer and Data Scientist Trainee

Trianz Holding Pvt. Ltd, Bangalore, Karnataka, Flutura, Bangalore, Karnataka

- Understanding retail energy domain and data sources.
- Data collection, web scrapping from different data sources for market watch application. Over 50 energy providers details across 4 states were considered in application.
- Created data visualization graphics, translating complex data sets into comprehensive visual representations.
- Developed data pipeline for implementing e-governance for Middle East government. Improved data gathering, analysis and visualization procedures with strategic optimizations for over 100 data sources.
- Supporting client management team for getting business insights, ad hoc analysis. Data pipeline development and automation for report development of Fortune 500 security and protection client.