



Shreya Nair

Toronto, ON, Canada

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Education

Lambton College In Toronto

Postgraduate Diploma in Artificial Intelligence and Machine Learning

Research Focus: Machine Learning, Data Analytics, Natural Language Processing

Major Courses : Big Data Analytics, Python and advance programming, Data Science, NLP, Machine Learning, Data Mining, Data Visualisation

May 2023 – Present

Toronto, ON, Canada

SCMS School Of Technology and Management

Dual Degree Masters in Computer Applications

CGPA: **7.72**

August 2015 – December 2019

Cochin, India

Major Courses : Data Structures, Database Management Systems (DBMS), Computer Networks, Operating Systems, Web Development, Object-Oriented Programming (OOP), Software Engineering, Computer Architecture and Organisation, Algorithms, Advanced Programming Languages and Web Technologies, Mobile Application Development, Artificial Intelligence and Machine Learning, Computer Graphics and Multimedia, Software Testing and Quality Assurance, Cybersecurity, Cloud Computing, Project Management

Professional Experience

Project Coordinator (RPA)

Claysys Technologies

April 2021 – November 2022

Cochin, Kerala, India

- Process Development, Improvement, QA and QC management.
- Innovated a comprehensive project schedule and timeline for credit unions, guaranteeing timely delivery of milestones; resulted in a remarkable 20% improvement in project completion ahead of schedule, exceeding client expectations.
- Orchestrated a strategic attack plan to automate credit union operations, leveraging RPA technology to slash processing times by 50% and generate \$80k in monthly revenue; devised a roadmap for achieving transformational automation goals.
- Pioneered a cross-functional project team to streamline operations, leveraging automation tools that saved 200+ hours per month and reduced processing time by 50%.
- Administered project scope, goals, and deliverables in collaboration with stakeholders, enhancing cross-departmental collaboration and boosting project efficiency by 25%.
- Initiated the creation of comprehensive recommendation reports by synthesizing project findings, identifying pain points, and proposing actionable solutions for improvement; reports contributed to a 15% increase in client satisfaction scores.
- Led strategic meetings with Business Process Owners and cross-functional leaders to streamline processes, resulting in a 30% reduction in turnaround time and a 20% increase in quality metrics.

Data Science Intern

RAK Analytic Solutions

November 2019 – March 2020

Bangalore, India

- Developed a research problem statement by evaluating data from customer surveys and industry reports, setting clear project boundaries that led to a 30% decrease in product development cycle time.
- Spearheaded data preparation initiative, cleaning and organizing year's worth of data to create a streamlined database, improving data accuracy by 15% and enabling faster insights generation for the team.
- Engineered strategic insights by creating interactive reports using BI tools like Tableau; data visualization efforts led to a 25% increase in revenue and streamlined decision-making processes.
- Curated complex tables and visually appealing dashboards by harmonizing and consolidating data from disparate sources; provided executive management with in-depth metric analysis to inform strategic decision-making processes.
- Architected, implemented, and assessed 3 natural language processing models for sentiment analysis, boosting customer satisfaction scores by 15% and increasing customer retention by 10%.

Publications

1.Nair, S. (2020b). International Journal of Computer Science and Mobile Applications. *COMPARATIVE ANALYSIS OF ALGORITHMS USED INDEEP LEARNING*, 8(4), 1–7. [Link](#)

Technical Skills

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- Programming Languages: Python.
 - Web Technologies: HTML, CSS.
 - Database Technologies: MySQL, PostgreSQL, MongoDB.
 - Frameworks: REST APIs, JSON.
 - Data Analysis: Data visualization, Statistical analysis.
 - Operating Systems: Windows, Linux, MacOS.
 - Tools: Git, PyCharm, Jupyter Notebook, scikit-learn, SciPy, pandas, TensorFlow, JIRA.
 - Data Visualization: Power BI, matplotlib, seaborn, dash, plotly.

Featured Projects

GreenVine – [GitHub](#) | *Python, Scikit-Learn, Pandas, Numpy, Plotly*

- Executed a machine learning project focusing on early detection and classification of ESCA disease in vineyards, delivering a 50% decrease in disease spread and a 30% increase in vineyard sustainability.
- Engineered data preprocessing pipeline, enhanced image quality through augmentation techniques, designed custom models, extracted features using Transfer Learning, and led end-to-end model training, application development, and deployment processes.

Stock Market Sentiment Analysis– [GitHub](#) | *Data Analysis, Data Science, Data Visualization, Time Series Analysis, Stock Market Analysis, Machine Learning Algorithms, Deep Learning.*

- Incorporated sentiment analysis to forecast stock market trends by extracting features from sentiment-expressing texts (news articles, social media posts) and employing machine learning algorithms, including GANs, to predict stock close prices.
- The prevailing sentiment among traders and investors provided valuable insights into potential future market fluctuations, facilitating informed decision-making in investment strategies.

Certifications

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| 1. Generative AI Learning Path by Google Cloud | : View Credential |
| 2. IBM Deep Learning with TensorFlow | : View Credential |