

Advik Maniar

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Portfolio: <https://adviks-portfolio.webflow.io/>

Experience

Software Developer – Voya Financial, New York

[June 2023 – Present]

- Essential member of Voya Financial's chatbot team, contributing skills in Java API development, Genesys Architect design, and Google Dialog Flow intent creation for 10 months.
- Played a pivotal role in two major production releases within a 10-month tenure, resulting in a significant 10% increase in Customer Satisfaction (CSAT) scores.
- Actively involved in agile practices, joining daily meetings and promoting teamwork across teams, earning 2 recognition awards for outstanding contributions.

Graduate Assistant – New York Institute of Technology, New York

[September 2022 – May 2023]

- Developed prototypes for **NASA**: Python-based Data Analysis tool that works with multiple kinds of time series data.

Software Developer Intern – Voya Financial, New York

[June 2022 – August 2022]

- Accelerated the cloud migration process with **REST API** development in Java and SpringBoot, and API testing in SoapUI.

Education

MS in Computer Science – New York Institute of Technology, New York

GPA: 3.8/4.0

[September 2021 – May 2023]

- **Coursework** – Artificial Intelligence, Machine Learning, Database Systems, Data Mining, Software Engineering.
- **Double Runners Up** – ETIC Data Science Hackathon 2021 and 2022.

Bachelor in Electronics Engineering - University of Mumbai, Mumbai

[June 2017 – May 2021]

- **Relevant Coursework** – Artificial Neural Networks, Data Structures and Algorithms, Machine Learning with Python.

Projects

Stock Market Prediction [Python, Pandas, TensorFlow, StreamLit, APIs, NLTK]

[March 2023 – May 2023]

- Led a group of 4 developers to create an ML-based stock prediction model, achieving a prediction accuracy of 70%.
- Analyzed financial data for 50 stocks, including sentiment analysis with news data from Yahoo Finance API and Beautiful Soup.
- Developed an intuitive StreamLit dashboard to display real-time predictions for over 50 stocks.

Data Analysis Tool [Python, Pandas, FPDF, Prophet, SQL, MySQL]

[September 2022 – December 2023]

- Developed a Python tool for automated time series data analysis from SQL Databases, capable of forecasting unseen datasets.
- Integrated the Prophet library for advanced time series forecasting, enhancing the tool's predictive capabilities for future trends.
- Automated PDF report generation, providing concise analysis and insights for the data, enabling easy visualization, and sharing.

Anime Recommendation System [Python, Pandas, NumPy]

[March 2022 – May 2022]

- Led a team in building a hybrid Recommendation System using Collaborative Filtering and Content-Based algorithms.
- Delivered a robust system that generated personalized recommendations, enhancing user experience.

Machine Learning in Healthcare [Python, sklearn, Pandas, StreamLit]

[March 2023 – May 2023]

- Developed a real-time dashboard using Python and StreamLit for predicting health risks based on user input.
- Utilized diverse machine learning algorithms to enhance prediction accuracy and provide valuable insights within the dashboard.
- Integrated data visualization within the dashboard, enabling users to explore predicted health risks through interactive visuals.

Skills

Languages – Python, Java, SQL, C, C++

Software Tools & Frameworks – Visual Studio, Jupyter Labs, Android Studio, GitHub, Pandas, NumPy, TensorFlow, Keras, NLTK, Sci-Kit Learn, OpenCV, Django, REST, SpringBoot, SoapUI/Postman, StreamLit, Microsoft Office, Tableau

Database & Cloud Technologies – MySQL Workbench, Google Firebase, Google DialogFlow, SQLite, AWS.

Professional Skills – Agile, leadership, team management, critical thinking.