

Rithik Tripathi

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Experienced **Data Scientist** & Analyst adept at leveraging **ML & Data Sciences** to drive efficiency and innovation. Proven track record in **FinTech**, **EdTech**, and now pioneering solutions in **Aviation** with **United Airlines**. Let's make it happen together.

PROFESSIONAL EXPERIENCE

United Airlines, Associate Analyst (Data Scientist)

Jun 2023 – present

- Building First in Class **Machine Learning Model (Predictive Analytics)** for Aviation Supply Chain Domain expected to Recommend **Bin Prioritization** for Aircrafts Fleets of **Airbus, & Boeing** on Main Hubs of USA (Chicago, New York, Denver, Los Angeles, San Francisco, IAH & IAD Airports)
- Developed & Deployed **Backend Data QC Check Pipeline** to maintain consistency of airline data being used in multiple ML models, Reports sent to Leadership.
- **Automated 10+** Manual Tasks & Reports with **Python** achieving a **100%** elimination of human involvement in the process.
- Providing critical supply chain **insights** in aviation on a daily, weekly, and monthly basis.
- Building **Alert & Live Monitoring** of Maintenance Checks for Various Aircraft Fleets.
- Generating **Root Cause Analysis** for Aircraft Out of Service Events on Daily Level.

Analytics Vidhya, Data Scientist

Sep 2022 – Jun 2023

- Core Team Member - **Internal Insights Team**.
- Mentored & Lead Team of 12 in various Data Science/ Analytics/ Machine Learning Concepts & Organised Multiple Events with Top AI/ML Leaders including **Google, Salesforce** & more.
- Developed & Deployed **End to End ML Pipelines** from Data Ingestion to Prediction on AWS.
- Resolved 9+ Major Tasks in Web App by Developing & Implementing Backend **SQL Queries**.
- Developed & Managed 3+ **Dashboards**, Multiple Excel Reports, and **Reporting Pipelines** with Live Database Connection.

HighRadius Technologies

Product Analyst

May 2022 – Sep 2022

- Worked with Developers, Architects, Quality Analysts & Consultants to Transform User Stories Into **Product Features** with 5+ Approved Tickets.
- Had Ownership of Development & Maintaining Product Features as per Client Requirements, Improving **Net Promoter Score (NPS)**.
- Analyzed **1000+ Salesforce Tickets** Raised by Clients. Categorized, Deep Dived & Provided Solutions to Improve Efficiency & Reduce Flaws in Product.

Data Science Intern

Aug 2021 – Apr 2022

- Led **Development of Machine Learning Layer** in Collections for Order-to-Cash Cycle, Achieving **86%+ Accuracy in Predicting** Customer Payment Dates as in ML Core Team.
- **Developed & Deployed Models** in Production & independently took up **UAT, Cutover, GoLive & Hyper-Care of Machine Learning Pipeline**.
- **2+ Models Deployed** that Enabled **Real-Time Analytics, Prediction, & 70% Reduction** in Burden of B2B Collection Analysts.

SKILLS

Python — Languages Known: Python, C, C++, Java, Html, DAX. | **Machine Learning** — Proficient in ML with intuition behind algorithms. Experienced with 3+ models working live in production. | **Database & SQL** — Experienced with Microsoft SQL Server, Palantir Foundry & In House Database Applications with Establishing Live Database Connections & Handling Huge datasets. | **Dashboarding** — Experienced with Power Bi, Google Data Studio & Palantir Foundry. Dashboard & Report Designing Capabilities for Precise Analytics Enabled with Live Database Connection. | **Amazon Web Services (AWS)** — EC2 , S3, Lambda, Sagemaker, Cloudwatch, IAM

PROJECTS

AI Enabled Fintech B2B Invoice Management Application, Certification

Jul 2021

- Objective: *To Build and Deploy an AI-Enabled Fintech B2B Cloud Application.*
- Tech. Stack Used: **Python** (Pandas, Numpy, Matplotlib, Time, Seaborn), **Machine Learning, SQL.**
- Outcome: **Deployed Machine Learning Model** Able To Predict Next Payment Date of Client with up to 86% Accuracy.
- Model Status: *Live in Production*
- Insights: Requirement gathering, Product Development & Deployment

HouseHunterAI : Intelligent Housing Predictor, View Demo

Feb 2022

- Objective: To develop First Forecast for Real Estate Market in California.
- Tech. Stack Used: **Python**, Numpy, Pandas, Flask, Sklearn, Evidently, Os, **Logging**, Docker, Heroku, **Machine Learning**, Auto EDA reporting & many more.
- Model status: Live & Deployed.
- Outcome: Able to predict House/ Property values in California with 80%+ Accuracy .
- Features : Logs, Artifacts, Model Pickling, Training with Pipeline,Hyperparameter Tuning

HappyAI : Optimized Ecommerce Experience, View Demo

Apr 2023

- Objective : To predict customer satisfaction & product rating.
- Tech Stack Used : **Python, Machine Learning, AWS**
- Outccome : Better **Customer Retention & Product Recommendation** Empowered by **End to End Pipeline**
- Features : Logs, Artifacts, Model Pickling, Training with Pipeline,Hyperparam. Tuning via u.i.

CERTIFICATIONS


Business Intelligence Event Winner, United Airlines: View Trophy

Winner of BI Brainwave Quiz organised by United Airlines on Data Science & Analytics.

Recommendation Letter, View

Recommendation for Data Sciences & Machine Learning by Mr. Susant Sahoo - IIM Bangalore Alumni & Associate Product Manager,

National Institute of Electronics and Information Technology,

Data Science & Machine Learning: View Certificate 

Core Product Team Involvement, HighRadius Technologies: View

2021 – 2022

Worked in Core Product Team and Exhibited Data Science & Machine Learning Expertise.

Product and Engineering Program (AI), HighRadius Technologies: View

Successfully completed the Highway to HighRadius Internship Program, Built & Deployed an AI Enabled Fintech B2B Cloud Application.

Full Stack Data Scientist Bootcamp, iNeuron.ai

Nov 2021 – present

Expertised on Entire stack required to work in the data domain along with real-time industry projects and product development with the iNeuron product development team.

EDUCATION

Bachelors of Technology (B.Tech), Lovely Professional University

Jun 2018 – Jul 2022

Electrical and Electronics Engineering (81.1%)