

Rahul Rajan

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PROFESSIONAL SUMMARY

A transitioning machine learning engineer having an experience of 1 year and 8 months in developing Test Automation scripts and ensuring the quality of the software products. Currently a student of Post Graduate Diploma in Artificial Intelligence at CDAC, Noida, India.

EDUCATION

Qualification	School/College	Board/University	Year	Percentage
PG Diploma (Artificial Intelligence)	Centre for Development of Advanced Computing, Noida	CDAC	2020	ongoing
B.Tech (CSE)	KCC Institute Of Technology and Management, Greater Noida, U.P.	A.K.T.U., U.P.	2014 - 2018	69.8 %
Class 12	A.S.N. Sr. Sec. School, Mayur Vihar-1, Delhi.	C.B.S.E.	2014	72.7 %
Class 10	Kerala Education Society Secondary School, Mayur Vihar-3, Delhi.	C.B.S.E.	2012	87.4 %

WORK EXPERIENCE

Software Engineer II - Test Automation - QA InfoTech Software Services Private Limited, Noida Sector 68
June 2018 - Feb 2020

Projects - Salesforce | Client - Kaplan, Inc., Fort Lauderdale, Florida, USA [July 2019 - Feb 2020]

- Design and build automated test framework and test suites for test cycles.
- Set up Selenium grids on Virtual machines and integrate with Jenkins server.
- Provide feedback to product owners and test leads to improve existing automation approach.
- Develop, execute and enhance TDD based automation using tools like Selenium, Java and other software test tools.
- Participate in daily scrums and sync up calls with client and developers to verify and communicate enhancements suggested for the application or issues logged.

Projects - E-Learning Application | Client - Macmillan Learning, New York, USA [June 2018 - July 2019]

- Develop test cases and maintain them regularly, working with product owners, developers and other vendors.
- Identify E2E scenarios and prioritize automation ask accordingly.
- Hands-on test planning, test development, testing and defect submission and tracking.
- Worked based on Agile methodology and attended different ceremonies like Sprint Planning meeting, Scrum, Backlog Grooming, Sprint Review and Retrospective.

INTERNSHIPS

Software Engineering Virtual Intern - JPMorgan Chase & Co.

May 2020 - May 2020

- Created an interface with a stock price data feed
- Used JPMorgan Chase frameworks and tools
- Display data visually for traders
- Tools used: Python, Typescript, Git

Data Analytics Consulting Virtual Intern - KPMG, Australia

May 2020 - May 2020

- Assessment of data quality and completeness in preparation for analysis.
- Exploring the data and looking for missing value and ambiguity in the data.
- Preprocessing: cleaning, imputing and feature selection of the training dataset
- Creating an ML model on the training dataset and after testing, using this to predict the probability of scoring business opportunities from new customers list.
- Using the insights to targeting high-value customers based on customer demographics and attributes.
- Data Insights and Presentation: Using visualisations to present insights to the client

- Tools used: Python, NumPy, Pandas, Google Sheets, Scikit-Learn, Microsoft PowerBI

Analyst Intern - PVR Cinemas, DLF Corporate Park, Gurugram, Haryana

July 2017 - September 2017

- Design and develop Jasper Reports and templates.
- Tools used: Java, Jasper iReport, SQL

PROFESSIONAL SKILLS

- Languages Comfortable in: Python, R, Java, Javascript, C.
- Development API/Frameworks known: Numpy, Pandas, Scikit-Learn, Keras, Tensorflow, Selenium, TestNG, Postman.
- Bug tracking tools known: JIRA
- CI-CD tools known: Jenkins
- Comfortable in Microsoft Office programs (Word, PowerPoint, Excel)
- Comfortable working in Microsoft Windows and Linux distributions.
- Excellent communication skills with a focus on team-building and product enhancement.

CERTIFICATIONS AND COURSES

- **Coursera:**
 - [Machine Learning](#) by Andrew Ng, Stanford University
 - [Mathematics for Machine Learning Specialization](#) by Imperial College London
 - [Probability Theory, Statistics and Exploratory Data Analysis](#) by Higher School of Economics, National Research University, Russia
- **Kaggle Micro-Courses:**
 - [Intro to Machine Learning](#)
 - [Pandas](#)
 - [Feature Engineering](#)
- **Plural Sight:**
 - *Understanding Machine Learning*
 - *Building Your First scikit-learn Solution*
 - *Preparing Data for Machine Learning*
- **Oracle Academy:**
 - *JAVA Fundamentals*
 - *JAVA Programming*
- **IIT Bombay Spoken Tutorials** - C Programming

VOLUNTEER EXPERIENCE

Indian Red Cross Society, Sansad Marg, Delhi - Non-Profit Organization

May 2016 - PRESENT

- Blood donor

LANGUAGE COMPETENCIES

- **English:** *Full Professional Proficiency (speaking, reading, writing)*
- **Hindi:** *Native/Bilingual Proficiency (speaking, reading, writing)*
- **Malayalam:** *Native/Bilingual Proficiency (speaking, reading, writing)*
- **Tamil:** *Limited working proficiency (speaking)*