Rahul Rajan

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PROFESSIONAL SUMMARY

An ML engineer, having experience of 3 years in developing and deploying machine learning models and ensuring maintenance of deployed solutions by creating automated testing scripts. I also have good command over SAP's Data Intelligence, Analytics Cloud and HANA DB through developing a predictive maintenance solution for Indonesia-based mining and energy company.

WORK EXPERIENCE

ML/Data Programmer - *YASH Technologies Private Limited, Indore, India*

April 2021 - Present (1.4 years)

- Create automated data pipelines to collect and clean data from sources like SQL and SFTP servers.
- Process the data per business rules and create an interactive dashboard.
- Building intelligent ML models to estimate data distributions.

  Technology: Machine Learning, Data Engineering, Data Modeling

  Tools used: Python, SQL, Pandas, Numpy, SkLearn, Tensorflow, Statsmodel, SAP DI, HANA DB, SAP SAC

  Clients:
    - **Petrosea (Indika Energy),** Jakarta, Indonesia **[April 2021 - Present]**

Software Engineer II - Test Automation - *QA InfoTech Software Services Private Limited, Noida Sector 68*

June 2018 - Feb 2020 (1.8 years)

- Developed and maintained test automation frameworks and created automation scripts to test intelligent ML models.
- Maintained scripts on Jenkins server for frequent health checks of new and existing model builds.

  Technology: Data Validation, Model Testing

  Tools used: Python, Java, Javascript, SQL, Git, Selenium, Jenkins, Maven, TestNG, JIRA

  Clients:
    - **Kaplan, Inc.,** Fort Lauderdale, Florida, USA **[July 2019 - Feb 2020]**
    - **Macmillan Learning,** New York, USA **[June 2018 - July 2019]**

EDUCATION

- **PG Diploma in Statistics,** *IGNOU,* Jan 2022 - Jan 2023

- **PG Diploma in Artificial Intelligence,** *CDAC Noida,* Feb 2020 - Feb 2021*,* **80.28%**

- **B.Tech in Computer Science Engineering,** *APJ Abdul Kalam Technical University Lucknow,* 2014 - 2018*,* **69.8%**

- **12th,** *CBSE,* 2014*,* **72.6%**

- **10th,** *CBSE* 2012*,* **9.2 CGPA**

PROFESSIONAL CERTIFICATIONS

- **[AI-900 - Microsoft Azure AI Fundamentals](#)**
- **[AZ-900 - Microsoft Azure Fundamentals](#)**

PROJECTS

- **[Text-2-Strokes](#):** Handwriting synthesiser (desktop app); turns typed text into handwriting. Build using Python, Pytorch, electron.js
- **[Optical Character Recognizer](#):** A desktop app built in Java swing having google's Tesseract OCR engine under the hood.

PROFESSIONAL SKILLS

- **Programming Languages**: Python, Java, Javascript, R
- **Libraries**: Numpy, Pandas, Scikit-Learn, Keras, Pytorch, Tensorflow, Selenium
- **CI-CD**: Jenkins
- **Tools**: SAP Data Intelligence, SAP Analytics Cloud, HANA DB, JIRA

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)*