Tuhin Subhra Samanta

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Overall 7+ years' experience in Information Technology and Services Industry including 1.6 years' experience in implementing AI/ML based solutions, Data Analytics and 3+ years' experience in implementing RPA solutions using UiPath. Worked on Multiple .Net implementations project using C#. Extensive experience in implementing project using Machine Learning, Deep Learning and Natural Language Processing using Python. Have a very deep understanding on Robotic Process Automation (RPA) implementations using UiPath RPA Product Suite.

Skills

- Data analysis and Visualizations, Tableau
- Predictive Machine Learning
- NLP using NLTK, SpaCy
- Deep Learning using TensorFlow and Keras

- UiPath RPA Automation Product Suite
- C#, LINQ, ASP.NET, Python, Node JS
- SQL, MongoDB, and Git
- Deployment of ML Models using Flask, AI Fabric, Django

Experience

Nov 2018 – Now
Product Consultant (Machine Learning/Intelligent Automation)/ UiPath, Bengaluru

• Currently leading a project based on NLP and Machine Learning for automatic generation of first response for the user queries, and a recommendation system to suggest solution for user issues along with UiPath Automation Workflow. **Libraries Used**: Pandas, Numpy, NLTK, Tensorflow, Keras
• Created a windows application using C# to analyze Customer Satisfaction score for the resolved queries using Sentiment Analysis python backend. **Libraries used:** Pandas, Sklearn, NLTK
• Made Exploratory Data Analysis (EDA) on customer data, resource utilization to generate report from different perspective and forecasting future trends. **Libraries used:** Pandas, Sklearn, Seaborn, Scipy, Statsmodels library.
• Developed and Integrated ML Model with UiPath automation workflow to classify customer emails to create end-to-end intelligent automation. Used advanced ML Concepts like Feature Engineering, Pipelining, Data Leakage etc.
• Created in-house tools for Log Analysis using Python and C# to generate automatic report and auto explainability of the generated logs.
• Published Custom Component in UiPath Go using C# for different JSON conversions. Currently developing Image Processing Custom Component to be published in UiPath Go.
• Acting as Subject Matter Expert (SME) for UiPath AL/ML based solutions like UiPath Computer Vision, AI Fabric Model Deployment and integration tool.

APR 2017 – OCT 2018
Senior Associate Consultant (Intelligent Automation)/Infosys Ltd, Bhubaneswar

• Opportunity assessment for selecting candidate for Automation, participated in preparing Process Definition Document (PDD) as a requirement document for Intelligent Automation.

• Hands on experience in Analyzing, designing, developing, executing and testing intelligent automation process as per business requirements using Blue Prism and UiPath RPA Tool and Python.
• Automated Desktop and Browser Based Application using Blue Prism and UiPath RPA development products.
• Generated Visual Report using Python Libraries (NumPy, Pandas, MatplotLib) on FTE cost savings, response time improvement after RPA Implementation.
• Automated Virtual Environment (Citrix) using UiPath RPA Tool. Created solution to read data from Excel and CSV Files and feeding data to Web applications and generating report based on processed data using UiPath Robotic Enterprise Framework (REFramework).
• Experience in creating Custom Activity using UiPath RPA Tool based on specific business need.
• Experience in creating WCF Services and other modules using ASP.NET.

DEC 2015 – APR 2017
Associate Consultant / Infosys Ltd., Hyderabad
• As a part of ECSADMCOE Team, I have leaded implementation projects for Intelligent Work Force Management (WFM) automations using ClickSoftware and ASP.NET.
• Leaded many Complex, business critical WFM projects implementation successfully for major US Gas and Power Supply Companies.
• Contributed to automating scheduling systems using Automation Agents, Events and worked on Data Visualizations and Analysis for Resource Utilization, Work Distribution, FTE Savings.
• Trained group of people from different domains on Task Scheduling Automations.

NOV 2012 – DEC2015
Solution Integrator / Ericsson India, Kolkata
• Worked in quarterly Release Projects in Work Force Management worldwide implementations. As a member of WFM R&D team.
• Handled complex Releases which were critical for Market Unit Operations. Some critical Releases I worked as main contributor are: Implementation of Web based Upload Tool using ASP.NET, Automating Multi Person Task Creation using Automation Agent. - Customized Work Order Add-on, Preventive Maintenance Tool, and automatic generation of Preventive Orders using Automation Agents.
• Successfully completed multiple POCs for Client Demonstration. Participated in User Acceptance Testing with Customers from Germany, Slovakia, Russia, Sweden etc.

Trainings and Certifications
• Certified Data Scientist using Python
• Certified in Machine Learning, NLP and Deep Learning (CNN, RNN, LSTM)
• Certified on Machine Learning, Data Visualization, and Feature Engineering from Kaggle
• Certified in Tableau.
• Certified Scrum Master from Scrum Alliance
• UiPath RPA Developer Foundation Diploma Certified.
• UiPath RPA Orchestrator, Infrastructure Trainings - Completion Diploma Certified.
• Associate Consultant in ClickSchedule Certified.

Education
JUNE 2012
M. Tech in Distributed and Mobile Computing / Jadavpur University, Kolkata
Scored CGPA 8.87, University Gold Medalist for standing first in M. Tech in Distributed and Mobile Computing (A Specialization of Computer Science)

JUNE 2008

BE in IT/ School of IT, WBUT (Formerly IIIT - Calcutta)

Scored CGPA 7.44

APRIL 2004

Higher Secondary (10 + 2) / Shyampur High School, Howrah

Scored 73.5% (Major: Physics, Chemistry, and Mathematics)

APRIL 2002

Secondary / SNA High School, Howrah

Scored 84.38%, Topped school for scoring highest marks in secondary examination.

Achievements

- **Member of Best Delivery Team in Infosys**
  Awarded for being part of most successful implementation Team. Feb 2018
- **Ericsson Rock Star Award**
  Awarded for outstanding performance and Contribution to Ericsson's business. Mar 2014
- **Ericsson Fast and Flawless Award**
  Awarded for extraordinary performance in Ericsson WFM Release. Sep 2013
- **University Gold Medalist**
  Awarded for standing first in Distributed and Mobile Computing Department, Jadavpur University, Kolkata
- **Recipient of GATE Scholarship from MHRD, Govt. of India (98.5 Percentile)**
  Ministry of Human Resource, Govt. of India (2010-2012)

Internet Presence

- **LinkedIn:** https://www.linkedin.com/in/tuhin-subhra-samanta-56466166/
- **Hacker Rank:** https://www.hackerrank.com/tuhinssam
- **Kaggle:** https://www.kaggle.com/tuhinssam
- **GitHub:** https://github.com/tuhinssam
- **UiPath Forum:** https://forum.uipath.com/u/Tuhin_Samanta/activity
- **Tableau Public:** https://public.tableau.com/profile/tuhin4002

Additional information

Date of Birth: 28 April 1987
Sex: Male
Nationality: Indian
Multilingual (Proficient): English, Hindi, Bengali
Interest & Hobbies: Travelling, Sketching, Reading Fiction & Non-fiction stories.

Declaration

Above information is true and correct to the best of my knowledge.

Date and Place: April 2, 2020   Signature

                                                              [*Tuhin Subhra Samanta*]