

*“Versatile, high-energy professional, targeting assignments in **automation, process reengineering and stakeholder management** with an organization of repute”*

## Highlights

- **UiPath certified** Advanced RPA Developer, **BluePrism certified** Professional Developer, **Automation Anywhere 360** Certified Advanced Developer
- **Microsoft Certified** Data Analyst Associate
- Experience in delivering technical solutions that automate HR, digital and technical workflows.
- Experience working with Microsoft suite including PowerApps, PowerAutomate, PowerBI, Azure, etc.
- Successfully worked in development and support teams at organisations like EY, Ordermentum, AI Australia and Faethm AI.
- As a project manager at AI Australia, built advanced stakeholder management skills and trusted relationships.

## Education

### 1. **Masters of Information Technology and Information Technology Management** **The University of Sydney, NSW**

WAM: **82.8**

Major: Data Management and Analytics

Aug 2019 – Jul 2021

### 2. **Bachelors of Computer Engineering** **Netaji Subhas Institute of Engineering, University of Delhi (DU), India**

Percentage: 75.55% (Distinction)

Graduation Year: 2019

## Skills And Abilities

**Subject of Interest:** Data Science, Analytics and Automation

- **Technical Skills:**

**Programming Languages:** Python, R, SQL, C++, C#, JavaScript.

**Automation Tools:** BluePrism, UiPath, Automation Anywhere, Power Automate

**Data Science Skills:** Machine Learning, Deep Learning, NLP, Power BI.

**Other Skills:** Signavio, Visio, Robotic Process Automation (RPA), Artificial Intelligence, Tableau.

## Technical Work Experience

### 1. **INTELLIGENT AUTOMATION CONSULTANT – ERNST AND YOUNG** [APR'21 - PRESENT]

- Work on automation tools like UiPath, BluePrism, Automation Anywhere and Power Automate.
- Worked with several centre and state government (NSW) clients, NGOs, education sector client and large insurance client.
- Worked on complex processes including document understanding, OCR, serviceNow automation, mainframe system automation and surface automation.
- Built approx. 20 end to end processes, saving > 1000 hours.
- Involved in training teams, process discovery, process reengineering and complete end to end development lifecycle of process.

### 2. **JUNIOR SOFTWARE ENGINEER – ORDERMENTUM** [JAN'21 – MAR'21]

- Work on python scripting and coding and provide solutions.
- Work on multiple Deep Learning and Artificial Intelligence projects.
- Built end to end document understanding project for invoice scanning.
- Directly deal with the customers and marketing team to fulfil their requirements.

### 3. DATA SCIENCE INTERN – AI AUSTRALIA

[SEP'20 – JAN '21]

- Work on Robotic Process Automation (RPA) projects to automate HR, marketing and technical work in the company.
- Work on data science, Deep Learning and Artificial Intelligence projects as required by the client.
- Act as a project manager for multiple IT projects and lead them to success. Participate and/or lead in team-based projects aligned to meet client deadlines.

### 4. DATA SCIENCE INTERN – FAETHM AI

[MAY '20 – AUG '20]

- Search for relevant datasets and extract useful information as required by the project undertaken.
- Use of machine learning and deep learning tools to analyze data and make predictions.
- Use of Data visualization tools like Power BI and Tableau to visualize and analyse data.

### 5. TUTOR – THE UNIVERSITY OF SYDNEY

[APR '20 – PRESENT]

- Taken tutorials for the following units:
  - INFO1113 – Object Oriented Programming (Undergraduate Level)
  - COMP9007 – Algorithms (Postgraduate Level)
  - ISYS2110 – Analysis and Design of Web Information System (Undergraduate Level)
  - INFO5992 – Understanding IT Innovations (Postgraduate)
  - COMP5310 – Principles of Data Science
- Courses includes teaching requirements modelling, system design, data structures, and different programming algorithms.

## Certifications

#### 1. BLUEPRISM CERTIFIED: PROFESSIONAL DEVELOPER

[JUN '22]

- Cleared the BluePrism APD01 certification to receive the title of BluePrism certified Professional developer.
- Can be viewed at [Blue Prism Certified Professional Developer - Credly](#).

#### 2. AUTOMATION ANYWHERE: ADVANCED RPA DEVELOPER (A360)

[JUN '22]

- Cleared the Automation Anywhere A360 advanced certification to receive the title of Advanced RPA Developer (A360).
- Can be viewed at [Automation Anywhere Certified Advanced RPA Professional \(Automation 360\) - 2022 • Samarth Sehgal • Automation Anywhere University](#).

#### 3. UIPATH CERTIFIED: ADVANCED RPA DEVELOPER

[AUG '21]

- Cleared the UiPath UIARDv1 certification to receive the title of UiPath advanced RPA developer.
- Can be viewed at <https://lnkd.in/g5F5aRn>.

#### 4. EY BRONZE: RPA DEVELOPER

[SEP '21]

- Gained experience to receive the EY Bronze badge for RPA developer.
- Can be viewed at [EY Robotic process automation - Bronze \(2021\) - Credly](#).

#### 5. MICROSOFT CERTIFIED: DATA ANALYST ASSOCIATE

[JAN '21]

- Cleared the Microsoft DA – 100 : Analyzing Data with Microsoft Power BI with 919 marks to receive the Data Analyst certification from Microsoft.
- Can be viewed at <https://lnkd.in/gvXrDUw>.

## Projects

#### 1. SELF PROFILE WEBPAGE

[2021]

- Created a self-designed webpage from scratch using GraphQL, HTML, CSS and JavaScript.
- The website can be viewed at [bit.ly/samarthsehgal](https://bit.ly/samarthsehgal).

#### 2. HEALTH CLINIC DATA ANALYSES

[JUL '20]

- Performed data analyses of a fetal health testing clinic to suggest what marketing/management processes can be changed and how patient load can be increased.
- Done as part of university study and received High Distinction in the unit.

- Tools used: Tableau, Microsoft Excel, Power BI, MS PowerPoint and Python.
- 3. AUSTRALIAN WEATHER ANALYSES** [MAY '20]
- Extracted, transformed and loaded Australian weather data from 2007-2017 to perform descriptive, predictive and prescriptive analyses.
  - Received High Distinction in the project.
  - Tools used: Tableau, Python, Microsoft PowerPoint.
- 4. MULTI LABEL IMAGE CLASSIFICATION** [MAY '20]
- Given a sample of images, one or more labels and a short caption, the goal was to implement an image classifier using deep learning techniques that predicts the labels of the image data sample.
  - Used techniques like transfer learning, Resnet50, VGG19 and ResNext to solve the problem and achieve an f1-score of 73% with an 86% precision.
- 5. THESIS ON HATE SPEECH CLASSIFICATION USING DL** [MAY '19]
- Classified text into hate speech and offensive speech using machine learning and deep learning techniques.
  - Used the training model to analyze twitter data on trending issues.
  - The thesis can be viewed at <http://bit.ly/thesisd1>.
- 6. RESEARCH PAPER ON SENTIMENT ANALYSIS ON GST** [2018]
- Scrapped twitter data on Goods and Services Tax (GST) using python and used that data to analyze user reactions on the implementation of GST using R Libraries.
  - The analysis was done broadly on five aspects - location, user popularity, tweet popularity, time and overall analysis.
  - The research paper can be accessed at <https://ieeexplore.ieee.org/document/8748822>.

### Interpersonal Skills

- **Quantitative Skills** demonstrated by excellence in subjects like Probability, Statistics as well as Calculus. Furthermore, displayed by getting HDs and DIs in mathematical subjects during bachelors and masters.
- **Communication Skills** honed by dealing with clients and project sponsor during my internship at AI Australia.
- **Team Work** developed by participating and organizing fests like Moksha NSIT, eSummit NSIT, Innovasion NSIT, etc.
- **Management Skills** refined by being project manager in various projects at AI Australia.
- **Teaching Skills** developed by imparting simple technical education to juniors and tutoring at University.
- **Working across national and international teams** demonstrated during my internship at Indonesia based startup – SurveySensum.
- **Time Management Skills** honed by balancing academics, extra-curricular activities within university as well as volunteering commitments outside university.
- **Leadership Skills** developed by opting for different Positions of Responsibility at IEEE NSIT, eCell NSIT and eSummit NSIT.
- **Public Speaking Skills** displayed by taking lectures as well as presenting research paper to a group of professionals.

### Referees

- Available on request.