

*“Versatile, high-energy professional, targeting assignments in **automation, software development and data management and analytics** with an organization of repute”*

Highlights

- **Microsoft Certified** Data Analyst Associate
- Experience in delivering technical solutions that automate HR, digital and technical workflows.
- Experience working with Microsoft suite including SharePoint, Teams, Azure, Flow, PowerBI and Office.
- 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 (up till 3rd semester): **81.53**

Major: Data Management and Analytics

Aug 2019 – Present (Expected Graduation:

Jun 2021)

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

Percentage: 75.55% (Distinction)

Graduation Year: 2019

3. **Higher Secondary Education**

SR DAV Public School, Delhi, India

Percentage: 95.4%

Subjects: English, Physics, Chemistry, Maths and Computer Science

Completion Year: 2015

4. **Secondary Education**

Cambridge School Indirapuram,

Uttar Pradesh, India

CGPA: 10/10

Completion Year: 2013

Skills And Abilities

Subject of Interest: Data Science, Analytics and Automation

- **Technical Skills:**

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

Data Analytics Skills: Machine Learning, Deep Learning, NLP, Power BI.

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

Technical Work Experience

1. **TECHNICAL CONSULTANT – ERNST AND YOUNG**

[APR'21 - PRESENT]

- Work as a consultant in Intelligent Automation domain of EY.
- Work on RPA, chatbots and deep learning projects based on client requirements.
- Work on automation projects in teams and individually.

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.
- 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 – DEC'20]

- 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)
- Courses includes teaching requirements modelling, system design, data structures, and different programming algorithms.
- Help the lecturers design quizzes and assignments and mark the submissions.

6. SOFTWARE PRODUCT INTERN – NUCLEUS SOFTWARES

[MAY '18 – JUL '18]

a. Cluster Health Monitoring System using Elastic Search

Built a complete website for Elastic Search overview of nodes in a cluster and their data with textual and graphical representation, using HTML, CSS, JS and amchartsJS.

b. Augmented Reality Presentation

Used 3D models and 3D graphics for creating three AR projects presented on Nucleus Day, using the AR JS library.

c. Image to Text for Employee Identification

Wrote a python code using OpenCV and Pytesseract for detecting name and employee written on employee's I-Card and then map it with the employee details file so as to mark his/her attendance.

Projects

1. 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.

2. 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.

3. 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.

4. 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/thesisdl>.

5. 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>.

6. SELF PROFILE WEBPAGE (CURRENTLY WORKING)

[PRESENT]

- Created a self-designed webpage from scratch using HTML, CSS and JavaScript.
- The website can be viewed at bit.ly/samarthsehgal (only the front page can be viewed currently).

Certifications

1. 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>.

Volunteering

1. PEER MENTOR | THE UNIVERSITY OF SYDNEY

[APR '20 – JUL '20]

- Mentor the newly joined postgraduate students helping them in academic and non-academic aspects.
- Make the new students feel welcome and help them settle to the new university life.

Achievements

- **1st Prize** at Vihaan 2.0 (IEEE DTU's Annual **Hackathon** with participations from all over the country). Project can be viewed at <https://youtu.be/oxtOI4VHsUU>.
- **3rd Position** at Launchpad Hackathon (C++) at Coding Blocks, a coding competition that tests data structure skills.

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.

Interests

- Swimming
- Travelling
- Watching TV series

Languages Known

- English
- Hindi

Referees

- Available on request