SAMARTH SEHGAL

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> *"Versatile, high-energy professional, targeting assignments in **business analytics, 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 Ordermentum, AI Australia, Faethm AI and Nucleus Softwares.
- 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. **JUNIOR SOFTWARE ENGINEER – ORDERMENTUM**   **[JAN'21 - PRESENT]**
   - 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.

2. **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.

3. 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.

4. TUTOR – THE UNIVERSITY OF SYDNEY   [APR '20 – DEC'20]
- Take and/or previously 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.

5. 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 tending 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