



Data Science with Azure Cloud Services – Internship at Deloitte

Presented by

Andrew John J – 18BEC1278

ECE4099 – Capstone Project –
PAT Internship @ Deloitte USI

Internship and FTE Offer Letter

DocuSign Envelope ID: DE50ACB8-8112-444D-92A1-519A3E2FEB92

Deloitte.

Deloitte Support Services India Private Limited
Floor No 15, Deloitte Tower - 1, Survey No 41,
Gachibowli Village, Ranga Reddy District, Hyderabad -
500032, Telangana, India

Tel: +91 040 67621000
www.deloitte.com

Dec 1, 2021

Mr. Andrew John J
E405, Radiance Mandarin, No.1, Thoraipakkam-Pallavaram 200ft Radial Road, Thoraipakkam,
Chennai, Tamil Nadu, 600097
India

Dear Andrew John:

We are pleased to inform you that your application for an Internship program has been accepted.

Your Internship with **Deloitte Support Services India Private Limited** (the "Employer" or "Company") will be located in **Hyderabad**. The Deloitte U.S. India ("USI") Internship program is for a duration of **21 weeks** beginning **January 10, 2022 to June 3, 2022**.

During this period, you will be paid a monthly stipend of **Rs. [REDACTED]**

In addition, you will receive a one-time payment of **RS. [REDACTED]** towards your accommodation.

In compliance with applicable laws, Deloitte India (Offices of the US) provides its professionals with home pick-up and drop transport services if their shift timings are between 8:30 pm - 6:00 am in Hyderabad; 9:30 pm - 6:00 am in Mumbai; and 8:00 pm - 6:00 am in Delhi and Bengaluru.

This Internship will cease either upon its completion or on **June 3, 2022** whichever is earlier. You will maintain confidentiality of the information you would have access to - both during and after the completion of the assignment.

Upon your reporting, you will be informed of your guide and program scope.

In case you need further information, please do a "reply all" with your concern and we will get back to you at the earliest.

For Deloitte Support Services India Private Limited
Best regards,

DocuSigned by:
Chandra Shekar Hegganur Shivaramu
B8E1F1523558AF4
By: _____
Signature

Authorized Signatory

DocuSigned by:
[Signature]
B8C7AB3F-C7D7412
Signature _____

Dec 1, 2021

Date

Regd. Off.: Floor 15, Deloitte Tower 1, Survey No. 41, Gachibowli Village, Ranga Reddy District, Hyderabad - 500032, Telangana, India.
GST Reg No: 36AABCD9761D12N CIN: U74120TG2004PTC043417

This is a system generated offer

Page 1 of 18

DocuSign Envelope ID: 36FD2CF3-B532-438F-BB60-BB8FA706503D

Deloitte.

Deloitte Support Services India Private Limited
Floor No 15, Deloitte Tower - 1, Survey No 41,
Gachibowli Village, Ranga Reddy District, Hyderabad -
500032, Telangana, India

Tel: +91 040 67621000
www.deloitte.com

May 13, 2022

Mr. Andrew John J
E405, Radiance Mandarin, No.1, Thoraipakkam-Pallavaram 200ft Radial Road, Thoraipakkam,
Chennai, Tamil Nadu, 600097
India

Subject: Offer of Employment

Dear Andrew John J:

On behalf of **Deloitte Support Services India Private Limited** (the "Employer" or "Company"), I am pleased to confirm our offer of employment to you as **Analyst - Deloitte Application Studios** based in **Hyderabad**.

In accordance with the level mapping, your position with the Employer as **Analyst - Deloitte Application Studios** is closely aligned with the position of **Career Level 3** of the Employer. This title alignment is provided for informational purposes only and does not create any additional benefit, entitlement or obligation with regard to your employment with the Employer.

We extend this offer, and the opportunity it represents, with great confidence in your abilities. You have made a very favorable impression with everyone you met and we are excited with the prospect of you joining our organization on **June 20, 2022**.

Your immediate manager will communicate details of your role and work responsibilities in the initial weeks of your joining the Employer. During your employment, the Company may require you to work on any project that you are assigned to, on any technical platforms/skills and nature of the project, in differentiated work timing, at designated work space and location as may be decided by the company.

As part of your annual compensation, you will receive a Total Salary of **Rs. [REDACTED]** and, will be eligible for a performance linked variable bonus. At your level, the variable bonus opportunity could range from **0-10%** of your Total Salary. The actual paid amount could vary depending upon the business and individual performance each fiscal year and, in some situations, could exceed the payout range indicated. Any amounts paid will be subject to statutory and other deductions as per Employer policies and practices. The details of your compensation breakdown are provided in the attached Annexure A.

As an incentive to join the Company, you are eligible to receive a joining bonus of **Rs. [REDACTED]** subject to your reporting for full-time employment on **June 20, 2022**. This amount will attract applicable taxes and will be processed as part of your first month's payroll. You will have an obligation to report the entire amount of your joining bonus if you resign your position or are terminated for cause by the Company within **12 months** of your start date.

You may also receive additional benefits, including and not limited to, in cash and/or in kind and/or as reimbursement, which could be referred as rewards, awards and gifts, which are generally accorded to the employees of the Employer, subject to the applicable taxes, policies and practices of the Employer.

Your employment with us will be governed by the Terms and Conditions as detailed in **Annexure B**, as well as any and all rules, regulations, guidelines, policies and practices of the Employer, which may be amended from time to time. Deloitte LLP and its U.S.-based subsidiaries (the "Deloitte U.S. Firms") requires their employees to make the necessary representations regarding independence and other matters. Because the Employer is an Indian subsidiary of Deloitte LLP, we must also comply with these independence requirements. Accordingly, this offer is conditional upon you agreeing to make such representations under the Employer's Independence Representations requirements, as further explained in **Annexure B**.

Your compensation details are confidential, and you may discuss it only with the undersigned in case of any clarification. It is our hope that your acceptance of our offer will be just the beginning of a mutually beneficial relationship with our organization. We would like you to join the Employer on **June 20, 2022**, or an alternative mutually agreed upon date.

Regd. Off.: Floor 15, Deloitte Tower 1, Survey No. 41, Gachibowli Village, Ranga Reddy District, Hyderabad - 500032, Telangana, India.
GST Reg No: 36AABCD9761D12N CIN: U74120TG2004PTC043417

This is a system generated offer

Page 1 of 19

DocuSign Envelope ID: 36FD2CF3-B532-438F-BB60-BB8FA706503D

This offer letter, together with the Annexures described herein, and the Non-Disclosure, Non Solicit and Intellectual Property Rights Assignment Agreement, the Information Security Policy (which you are required to sign upon joining), constitute the entire agreement between the parties with respect to the subject matter of this offer, and supersedes all other previous or contemporaneous oral or written representations, understandings or agreements relating to the subject matter of this offer between you and the Employer or its affiliates.

In compliance with applicable laws, Deloitte India (Offices of the US) provides its professionals with home pick-up and drop transport services if their shift timings are between 8:30 pm - 6:00 am in Hyderabad; 9:30 pm - 6:00 am in Mumbai; and 8:00 pm - 6:00 am in Delhi and Bengaluru. Additionally, in Mumbai and Delhi, the firm also provides day-transportation services from central locations to the office and back, at time periods other than those stated above and the associated costs for this conveyance allowance [REDACTED] deducted on a monthly basis from the payroll, for professionals choosing to opt for the service.

This letter and **Deloitte Support Services India Private Limited** employment application are intended to be final. To accept the offer and the terms of this letter, please sign below in the space provided within three business days.

Andrew John, everyone you have interviewed with joins me in extending to you congratulations and warm regards. We look forward to you joining our team.

Sincerely,

For Deloitte Support Services India Private Limited
Best regards,

DocuSigned by:
Chandra Shekar Hegganur Shivaramu
72B4E17210F8A4
By: _____
Signature

Authorized Signatory

Acceptance

I, **Andrew John**, hereby accept the terms and conditions of this employment offer.

Please sign and date your Acceptance

DocuSigned by:
[Signature]
B8C7AB3F-C7D7412
Signature _____

May 13, 2022

Date

Regd. Off.: Floor 15, Deloitte Tower 1, Survey No. 41, Gachibowli Village, Ranga Reddy District, Hyderabad - 500032, Telangana, India.
GST Reg No: 36AABCD9761D12N CIN: U74120TG2004PTC043417

This is a system generated offer

Page 2 of 19

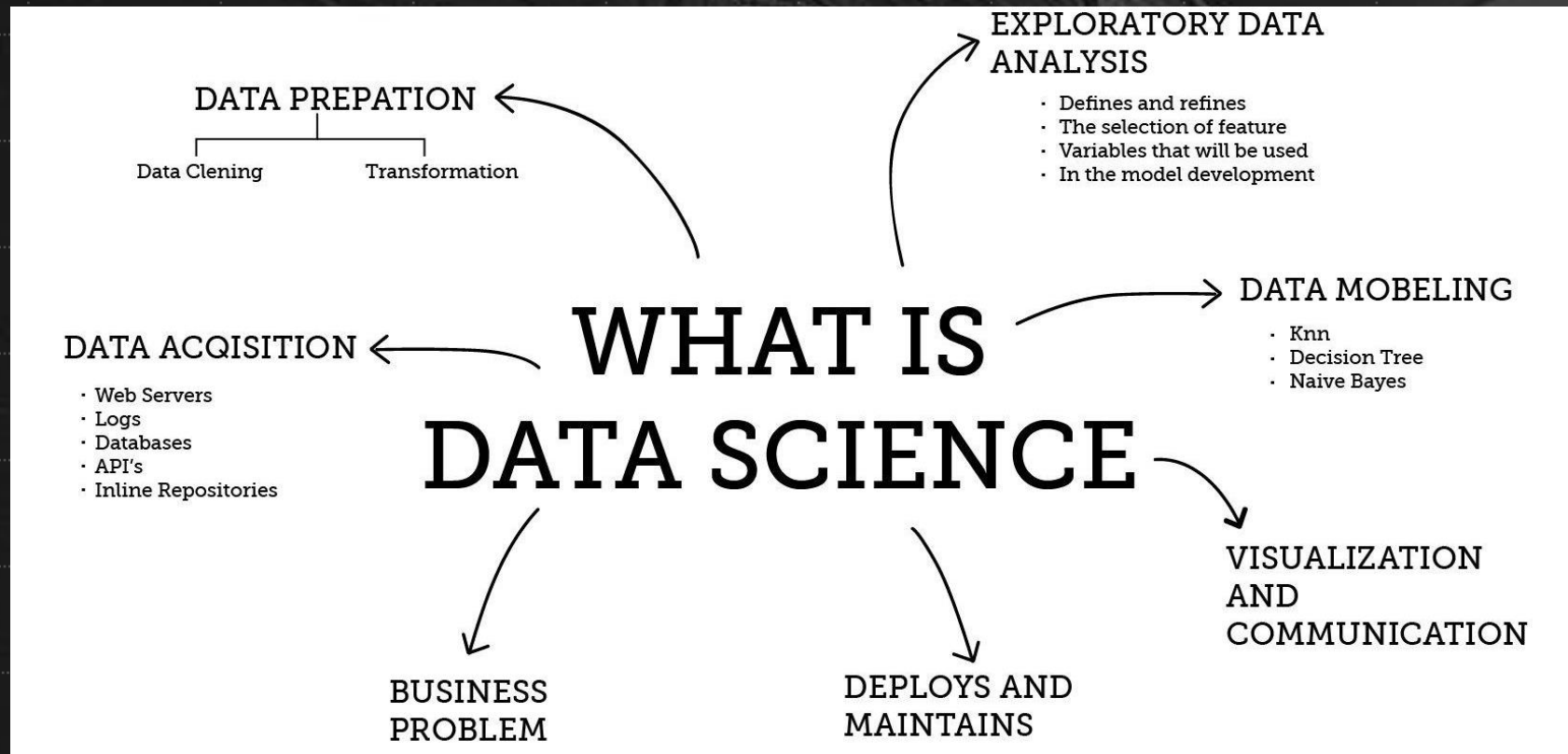
About my Offer and Role @ Deloitte – Analyst

- The Analyst - Internship at Deloitte is the position on which I have spent the most of my time.
- I was assigned to the following positions while learning various development tools, testing tools, techniques, and processes: Analyst – Specialist.
- As an Analyst, I developed and maintained solutions based on technologies such as Microsoft Azure Data Factory, Microsoft Azure Databricks and Dataiku.
- These technologies are more concentrated on Data Warehousing, Data Lake, and Data Lakehouse.
- My internship at Deloitte lasted from January 10th till June 3rd, precisely 21 weeks or roughly 5 months of time. My internship stipend was ₹25,000. HITEC City in Hyderabad, Telangana, was the place of my internship.



About Data Science

- Data is the new oil.
- Data science is an interdisciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from noisy, structured and unstructured data, and apply knowledge and actionable insights from data across a broad range of application domains.



About Datawarehouse, Data Lake & Data Lakehouse

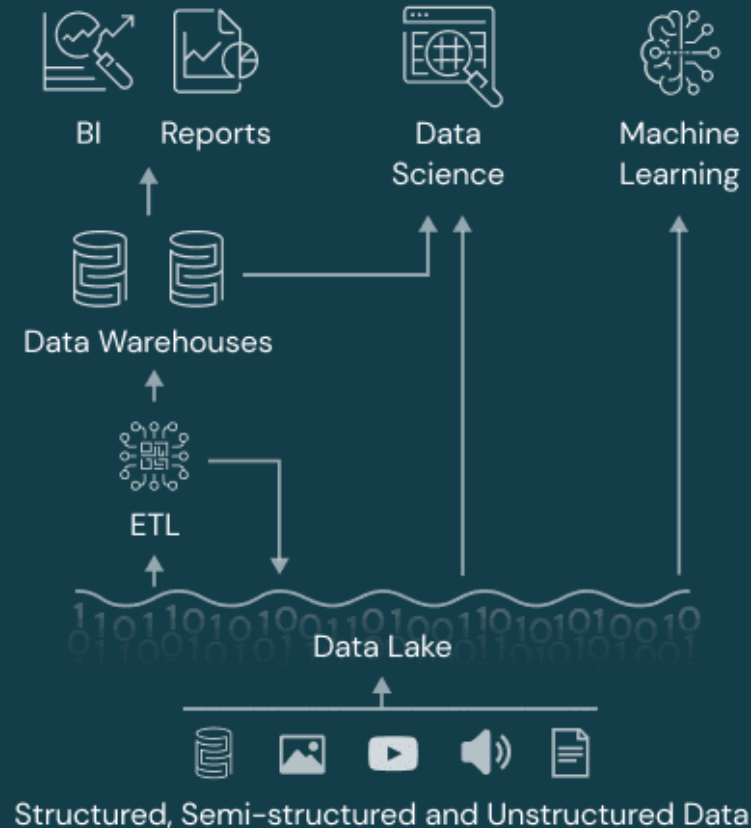
- Data Warehouse is a unified data repository for storing large amounts of information from multiple sources within an organization. A data warehouse represents a single source of “data truth” in an organization and serves as a core reporting and business analytics component.
- Data Lake is a centralized, highly flexible storage repository that stores large amounts of structured and unstructured data in its raw, original, and unformatted form. In contrast to data warehouses, which store already “cleaned” relational data, a data lake stores data using a flat architecture and object storage in its raw form.
- Data Lakehouse is a new, big-data storage architecture that combines the best features of both data warehouses and data lakes. A data lakehouse enables a single repository for all our data (structured, semi-structured, and unstructured) while enabling best-in-class machine learning, business intelligence, and streaming capabilities.

Datawarehouse, Data Lake & Data Lakehouse

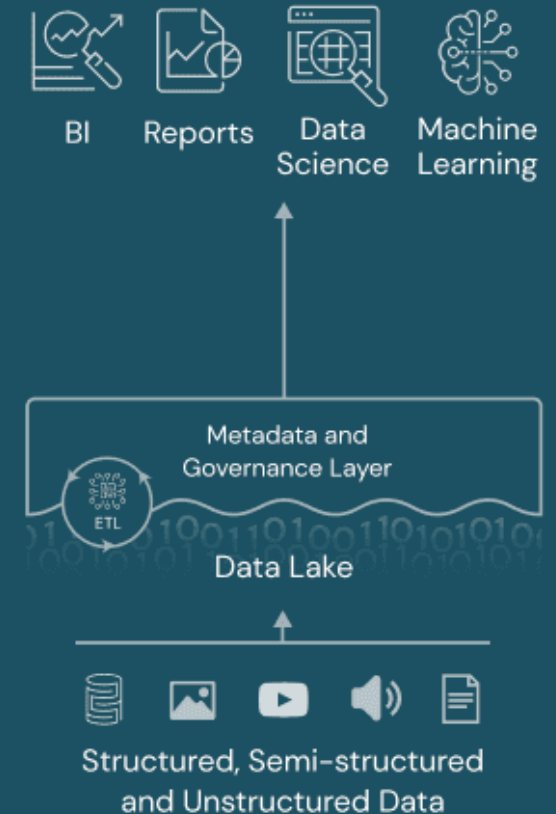
Data Warehouse



Data Lake



Data Lakehouse



About Data Factory and Databricks

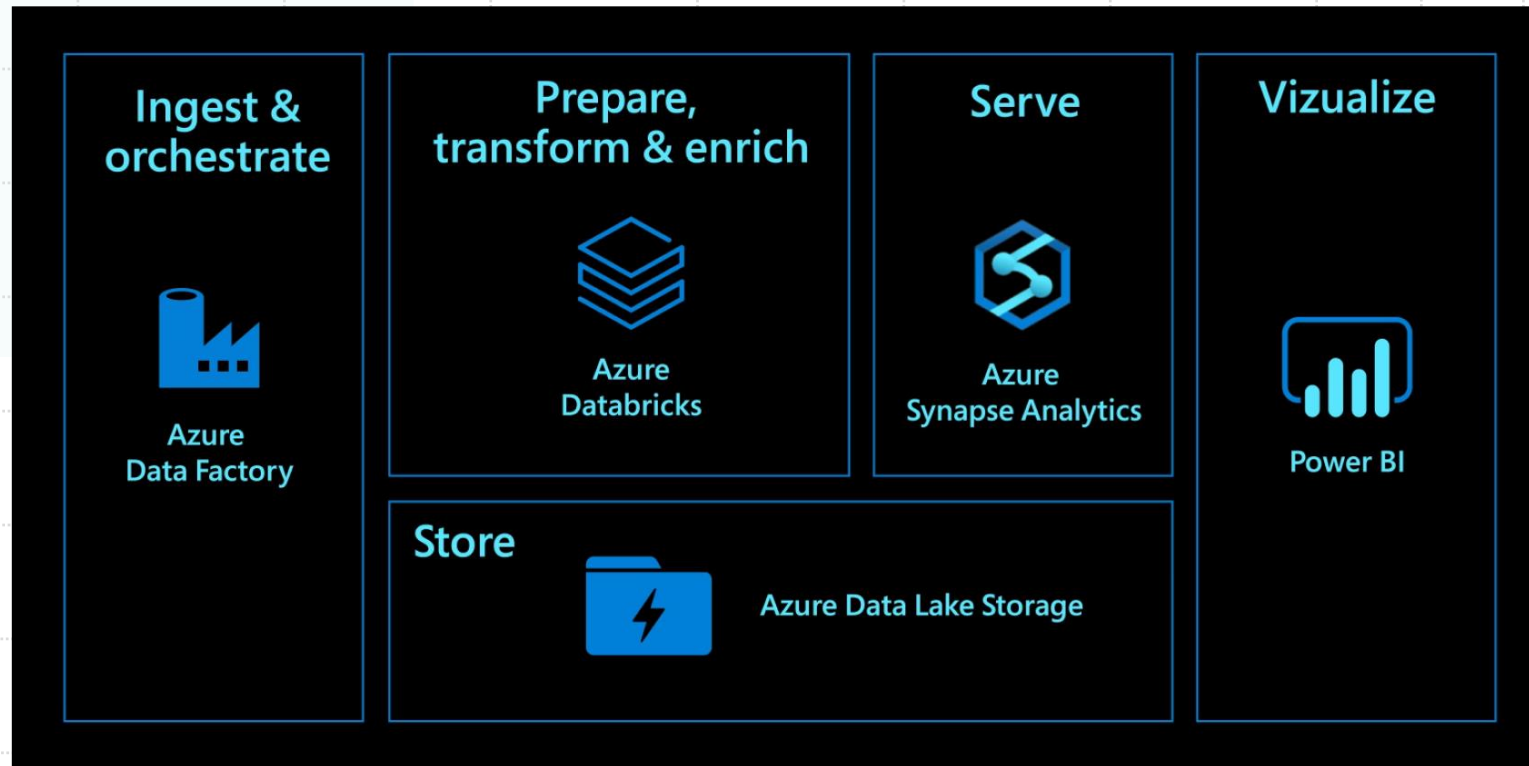


- Big data requires a service that can orchestrate and operationalize processes to refine these enormous stores of raw data into actionable business insights. Azure Data Factory is a managed cloud service that's built for these complex hybrid extract-transform-load (ETL), extract-load-transform (ELT), and data integration projects.



- Azure Databricks is a data analytics platform optimized for the Microsoft Azure cloud services platform. Azure Databricks offers three environments for developing data intensive applications: Databricks SQL, Databricks Data Science & Engineering, and Databricks Machine Learning.

Big data analytics and AI with optimized Apache Spark

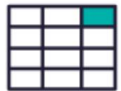


About Dataiku



Systemizing the Use of Data

Dataiku is one central solution for the design, deployment, and management of AI applications.



Data Preparation



Visualization



Machine Learning



DataOps



MLOps



Analytic Apps

- Dataiku Data Science Studio (DSS) provides a centralized data platform that moves businesses from scale and traditional analytics to Enterprise AI in their data journeys, empowering self-service analytics while also enabling the operationalization of machine learning models in digital environments.

Conclusion and Future Scope

- I am grateful for the internship at Deloitte – USI, which has provided me with invaluable corporate and technical expertise and experience. Technologies such as Data Science and Data Engineering are in-demand skillsets in today's world, and the need for this expertise is increasing
- Artificial Intelligence, the Internet of Things, and Deep Learning are just a few of the cutting-edge technologies covered by Data Science. Data science's influence has grown dramatically as a result of its success and technical advancements. The value of acquiring and collecting data is critical because it allows businesses to predict and affect our purchase behaviors. As a result, it wields significant power through its purchasing power.

An aerial photograph of New York City at dusk. The sky is a mix of dark blue and orange, with scattered clouds. The city's lights are beginning to glow, and the Empire State Building is prominently lit with red and green lights at its top. The text "Thank You!" is written in a large, white, italicized serif font across the center of the image.

Thank You!