

Abhishek Das Gupta

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EDUCATION

THE LNM INSTITUTE OF TECHNOLOGY

B.TECH IN COMPUTER SCIENCE
May 2019 | Jaipur, Rajasthan
Cum. GPA: 7.27 / 10.0
Sem. GPA: 10.0 / 10.0

LINKS

- Github: [onTheQT](#)
- LinkedIn: [abhishek-das-gupta](#)
- StopStalk: [ontheqt](#)
- StackOverflow: [abhishek-dasgupta](#)

COURSEWORK

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management System
- Discrete Mathematics
- Unix Tools and Scripting

SKILLS

LANGUAGES

- Groovy
- Java
- Python
- Kotlin

DATABASES

- Terdata
- Big Query
- MySQL
- IBM DB2

BUILD TOOL

- Gradle

VERSION CONTROL

- GitLab

FRAMEWORK

- Apache- Calcite
- Linq4j

ETL TOOLS

- Datastage
- Informatica

EXPERIENCE

DATAMETICA | SOFTWARE ENGINEER

Feb 2020 - Present | Pune, Maharashtra

- Worked with the Raven product development team to design and develop products that aids in Data warehouse migrations to Cloud.

RAVEN-PROC | DATAMETICA

July 2020 - Present

- Developed a product for Google Marketplace which migrates Teradata's Stored Procedures into BigQuery.
- Modelled Teradata's constructs into Canonical Nodes using Linq4j and Apache Calcite in order to inject any target dialect.
- Developed and integrated within a span of week, a graph(DAG) based algorithm to model "jump" constructs present in client's Teradata's Bteq Scripts into negation of conditional constructs in BigQuery.
- The integration resulted in successful migration of 19,000 client scripts into BigQuery.
- Developed an OO approach which enabled the product to still use the current design by extending functionalities.
- Received spot award for my strong command on Algorithms, ownership of task and hardwork.

RAVEN-ETL | DATAMETICA

Feb 2020 - July 2020

- Developed a product which migrates IBM's Datastage ETL jobs to Big Query.
- Developed a mapping between functions present in Datastage to functions in BigQuery using Apache Calcite. Required thorough knowledge of RelNodes and RexNodes in Apache Calcite.
- Mentored and gave knowledge transfer to new comers on Apache Calcite and code flow.

PROJECT

BEARMAPS May 2019 - Aug 2019

- Developed "smart" pieces of a web-browser based Google Maps clone and deployed it on Heroku.
- Features include query auto-complete via use of the Trie DS, shortest path via A* algorithm, and rastering via a O(k) algorithm. [\[Link To App\]](#)

SEQUENCE MODELLING Nov 2018 - May 2019

- Analysed various models like Bag of Words, Fixed Window, State of art technology like RNN (LSTM cell) and their downfalls to predict next word for an N-Gram.

CERTIFICATION

- **Certified** by University of Helsinki in building single page REST APIs using MERN stack.

ADDITIONAL ACTIVITIES

- Hone my problem solving skills on various coding platforms.
- Self taught swimmer with 10 years of experience. Honorable Mention in district participation.
- Coordinated college's art club during sophomore year. Managed team of 15 members during the cultural fest Vivacity.