Neelesh C A

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Full Name: Neelesh Chinnakonda Ashok Kumar

Education

University of Pennsylvania - MSE in Computer and Information Science - **GPA**: 4.0 Philadelphia, USA (2022 - 2024)

PES University - B. Tech. in Computer Science and Eng. - **GPA**: 9.72/10.0 Bangalore, India (2016 - 2020)

Industry Experience

ThoughtSpot
Bangalore, India (Jan 2020 - May 2022)

Intern/Member of Technical Staff 2/Member of Technical Staff 3

- Designed and implemented CRUD RPCs for custom calendar for embrace. This removed one of the major blockers for enterprise customers to move to embrace.
- Integrated SAP HANA with ThoughtSpot. This expanded the number of supported databases from 4 to 5, and improved ThoughtSpot's sales capability in the European Market.
- Eliminated critical issues that caused the system's availability to drop to 0 and also prevented upgrades, using a cycle detection algorithm. Manually fixing it required 3+ people, and the turnaround time was > 2 days.
- Implemented support for row level security for ThoughtSpot Modeling Language (TML). This saved at least 1 minute of manual work per rule, and each server had several tables with multiple rules.
- Designed and developed support for logical multitenancy for ThoughtSpot's search engine. This enabled the company to lower costs by having a multi-tenant architecture.
- Improved metadata fetch of external connections which brought down API response times of >5 minutes (timeout) in the worst case to a few seconds. This was a major blocker in getting external connections set up.
- Remodeled how metadata was represented in TML for external tables. Among resolving bugs, it allowed implementation of connection remapping, which saved >5 minutes when remapping was needed.
- Developed support for SpotIQ in embrace. This allowed customers to use ThoughtSpot's AI functionality on their own cloud warehouses. This removed one more blocker for customers who wanted to migrate.
- Introduced support for SQL backed views via TML. Migrating them manually would have taken an average of 5 minutes per object.
- Refined customer experience by fixing 20+ bugs in the data modeling layer, which ranged from critical blockers to quality-of-life issues.

Crio.Do
Bangalore, India (Jun 2019 - Jul 2019)

Intern - Engineered a plagiarism detection framework. In the first trial, it identified at least 10 people who copied.

Publications

- Suresh N, Chinnakonda Ashok Kumar N, Subramanian S, Srinivasa G (2022) Memory augmented recurrent neural networks for de-novo drug design. PLoS ONE. https://doi.org/10.1371/journal.pone.0269461

Technical Skills

Programming Languages
Proficient in: C++, C, Java, Python
Familiar with: R, Typescript, Groovy, GraphQL

Technologies Git, JDBC, Jenkins, Docker, Linux, Jira, Amazon S3, Gradle