

# Aahan

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## EDUCATION

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### •National Institute of Technology, Hamirpur

*Bachelor of Technology in Electrical Engineering*

2019-23

CGPA: 8.70

### •Indus Public School - Senior Secondary

*Central Board of Secondary Education (CBSE)*

2018

Percentage: 88.2

## EXPERIENCE

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### •Blockexcel

*Software Engineer*

November 2023 - Present

Remote

- Implemented and maintained backend data processing workflows using **Python** and **DBT**, resulting in a **40% improvement** in data pipeline efficiency.
- Designed and executed complex data transformations with **DBT** and **SQL**, boosting data accuracy by 30% for business intelligence initiatives.
- Utilized **Snowflake** for efficient cloud data storage and retrieval, reducing storage costs by 25% and accelerating **data retrieval by 35%**.
- Integrated **Tableau** with backend data sources to visualize and present data insights, creating intuitive dashboards for stakeholders.
- Optimized data loading processes, reducing load times by 50%, improving overall system performance and efficiency.

### •Increff

*Software Engineer*

June 2023 - August 2023

On Site

- Developed a feature-rich POS system using **Spring Framework**, enabling efficient inventory management and seamless transaction processing.
- Implemented rigorous testing with **JUnit** to ensure system reliability and correctness, leading to a **97% reduction** in system errors and a more robust application.
- Streamlined database models and optimized queries in MySQL, improving data retrieval speeds by 30% and ensuring data integrity, also built **Java** and **Spring Boot** server-side applications for seamless functionality.
- Integrated **Apache FOP** to enable users to download Professional PDF invoices, improving customer experience and facilitating accurate financial reporting.

## PROJECTS

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### •POS

*Developed a full-stack e-commerce application with Spring and led POS system development.*

- Technologies utilized: **HTML, CSS, JavaScript, jQuery, Java, AJAX, MySQL, Spring MVC, JUnit Testing, REST APIs.**
- Led the end-to-end development of a comprehensive POS system with a rigorous quality assurance approach.
- Implemented **REST APIs** to streamline communication between the frontend and backend, ensuring efficient data retrieval and updates.
- Achieved substantial optimization by **reducing data load time** from 25s to under 1s, refining system performance. Successfully integrated into final product, contributing to operational excellence.

## TECHNICAL SKILLS

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**Languages:** C/C++, Java, Python, Javascript, HTML, CSS

**Libraries and Frameworks:** Spring Boot, Spring MVC, FastAPI, C++ STL, Java Collection

**Web Dev Tools:** REST APIs, AJAX, jQuery, IntelliJ, VS Code, Git, GitHub, Maven, Postman

**Databases:** MySQL, SQL Server, GraphDB, NoSQL (CosmosDB), DBT (Snowflake)

**Testing Tools:** Junit, Selenium

## POSITIONS OF RESPONSIBILITY

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### •Team Leader, Final Year Major Project

Successfully led a diverse team, ensuring project objectives were met and high-quality results were delivered. Demonstrated strong collaboration and leadership skills.

## ACHIEVEMENTS

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- Won Gold Medal In Math Olympiad at District Level
- Reached in Finals in Innovative India Coding Championship organized by Coding Ninjas
- Solved more than 700 problems on GeeksForGeeks