

Ishan Arora

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Senior Software Engineering Associate at BlackRock

Passionate Problem Solver driven to build impactful products

SKILLS

Backend: Java, Spring Boot, REST APIs, Microservices, Kafka, Python, Concurrency, Performance Optimization

Data Engineering: SQL, Snowflake, dbt, ETL Automation

AI: Snowflake Cortex Analyst & Agents, OpenAI API

Frontend: Angular, JavaScript, TypeScript

Tools: GitHub, ADO, JIRA, CI/CD basics, Windsurf

Soft Skills: Communication, Presentations, Mentoring, Debugging, Cross-team Collaboration

WORK EXPERIENCE

Engineering Associate, BlackRock (January 2024 – Current)

- **Designed and delivered a fully automated data workflow system** by orchestrating multiple **microservices, REST APIs, and Kafka pipelines** to migrate and process large datasets from **MSQL to Snowflake**. Built dbt models, automated QC checks, and introduced alerting flows **reducing manual operational effort by 4–5 days/month per user**.
- **Engineered an AI-driven Root Cause Analysis system** that integrates Snowflake data pipelines with Cortex-based agents to automate investigation workflows. The system interprets business context, dynamically generates and executes SQL, analyzes anomalies, and produces visual insights **reducing RCA time from hours/days to minutes** and removing dependency on SMEs or developers.
- **Own end-to-end processes** to ensure seamless operations, including addressing business-as-usual (BAU) queries, resolving production issues, and managing change releases.

Engineering Analyst, BlackRock (July 2021 – December 2023)

- **Integrated a new regulatory requirement** into a large Spring Boot application by fetching data through **JPA, Hibernate, and JDBC** connectors, aggregating multi-source datasets, applying complex business rules, and ensuring full regulatory compliance.
- **Designed and built an Angular-based UI** with AG Grid for regulatory workflows, enabling users to download regulatory reports, track alerts, configure screens, and interact with backend services through well-structured APIs
- Partnered closely with clients and internal teams, **presenting demos and knowledge transfers (KTs)** that were **widely praised for their clarity and simplicity**.
- Organized and led engagement initiatives such as AMAs with senior leaders, **various onboarding sessions** for interns

Institution of Engineering and Technology (IET-VIT), Vellore, Tamil Nadu, India (June 2018 – December 2018)

Core Committee *Team member*

- Speaker for ML & Web Dev workshops; built frontend websites; coordinated VITTUC'18 and HackOff 2018.

EDUCATION

Vellore Institute of Technology, Vellore, Tamil Nadu, India.

Graduated: June 2021

Bachelor of Technology in Computer Science

- Relevant Coursework: Java, OOPs, Data Structures, Algorithms, Operating Systems, AI
- Active member of the IET Club, contributing as an organizer and volunteer for a variety of events, including hackathons and fests, fostering innovation and collaboration
- CGPA: 8.57

LEADERSHIP AND ACCOMPLISHMENTS

- Winner of Secure and Private AI Challenge. Won a scholarship (**Top 300 out of 3000+ participants**) from Udacity and Facebook in Deep Learning Nanodegree (September 2019)
- Built **8+ projects on GitHub** focused on **deep learning, data cleaning and analysis**, reflecting a strong habit of continuous learning and exploration throughout college
- **Presented in 4 Hackathons in BlackRock** consistently earning recognition for delivering **clear, impactful, and engaging pitches**
- Toastmasters participant — **multiple “Speaker of the Day” awards**
- Received **top year-end performance ratings for four consecutive years** and **earned two promotions** for strong technical delivery and leadership