

# Sai Hemanth Beeraka

Software Development Engineer

## CONTACT

✉ saihemanth.nitt@gmail.com  
🌐 Hyderabad, India  
✍ blog.saihemanth.com  
🐦 twitter/saihemanth9019  
🌐 linkedin/saihemanthb

## SKILLS

### LANGUAGES

Java • JavaScript • SQL  
TypeScript

### LIBRARIES & FRAMEWORKS

Spring Boot • React • GraphQL  
HTML/CSS • Langchain

### TOOLS

Unix • Git • Copilot

## EDUCATION

### NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY

B. Tech in Computer Science  
Engineering

MAY 2016 - MAY 2020

CGPA: 8.77/10

Tiruchirappalli, India

## ACHIEVEMENTS

- 5th - TopCoder Humblefool Cup
- Candidate Master - CodeForces
- Qualified for Regionals - ICPC
- Winner - EthIndia Hackathon '19

## ABOUT ME

Accomplished SDE with **4 YOE** building full-stack web applications using **Java** and **Typescript**. Primarily built a Data Warehouse (DWH) at D.E. Shaw, serving the firm's Human Capital reporting needs. Boosted end-user experience by reducing interaction times of DWH UI applications by over 50%. **Mentored an intern** to develop a Retrieval-Augmented Generation (RAG) tool to query the DWH. **Rapidly learns and integrates new technologies** to ensure continuous improvement. Collaborative team player with **strong problem-solving skills** and a commitment to superior results.

## EXPERIENCE

### D. E. SHAW & CO. | SENIOR MEMBER TECHNICAL

Jan 2022 - Present | Hyderabad, India | [deshawindia.com](https://deshawindia.com)

- **Mentored development of LLM Product:** Guided an intern over 2 months to build an RAG tool for data retrieval from the Data Warehouse for Human Capital reporting. Successfully delivered a POC in June 2024.
- **Delivered Employee Dashboard:** Led the development of Spectrum, a dashboard visualizing employee headcount and attrition trends for executives, by building the backend REST APIs using Spring Boot and UI using React-Redux. Implemented key roadmap features, made critical design decisions, and drove the project end-to-end by understanding user requirements and coordinating with QA, UX, users, and PMs.
- **Redesigned Interview data model:** Revamped the data model for interview scheduling and related data in the Data Warehouse, simplifying reporting in this critical business domain. Authored detailed user-facing documentation and ensured data quality by collaborating with internal teams.
- **Enhanced UI Performance:** Coordinated UI performance improvements of reporting applications. Defined the enhancement plan, estimated efforts, and prioritized tasks with PMs. Achieved a 3x improvement in initial load time and reduced interaction times by over 50% within 3 months.

### D. E. SHAW & CO. | MEMBER TECHNICAL

Jul 2020 - Dec 2021 | Hyderabad, India

- Implemented GraphQL APIs and critical UI components for Search Overview Report, a dashboard for hiring managers and recruiters to monitor job searches.
- Developed secure REST APIs using Java Spring Boot for the Voluntary Self-Identification website for US-based employees, enhancing data reporting and ensuring compliance with US regulations.

### D. E. SHAW & CO. | SOFTWARE DEVELOPER INTERN

May 2019 - Jul 2019 | Hyderabad, India

- Developed a full-stack web application using React-Redux and Spring Boot to manage the bookings of the firm's multiple housing residences, which was achieved earlier by a more rudimentary and error-prone method.

### GMETRI XR | WEB DEVELOPER INTERN

Nov 2017 - Jan 2018 | Bangalore, India | [gmetri.com](https://gmetri.com)

## PROJECTS

### FIREFOX DEVELOPER TOOLS | JAN - MAR 2022

[bugzilla.mozilla.org](https://bugzilla.mozilla.org)

Contributed 10 bug fixes to multiple components in the developer tools over a course of 3 months.