

Aritra Basak

Software Engineer | Full Stack Developer

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PROFILE

Versatile Software Engineer with expertise in full-stack development, specializing in backend development and scalable application architecture, known for innovative problem-solving and delivering high-performance solutions.

PROFESSIONAL EXPERIENCE

Ernst & Young(EY) 02/2023 – present | Kolkata

Associate Consultant and Former Intern.

- Developed ABDM Connector v2.0 UI with React.js and Spring Boot, boosting user engagement by 40% and reducing response time by 30%.
- Redesigned ABDM Connector v1.0 UI with React.js, optimizing web pages for improved user experience.
- Implemented Aadhaar Card photo scanning system using Spring Boot, cutting manual errors by 50% and speeding up processing by approximately 60%.
- Developed Java services with multithreading, enhancing productivity in health records linking for the West Bengal Government by over 100%.
- Engineered a Python script for medical insurance fraud detection, significantly augmenting the system's ability to identify fraudulent claims by an impressive 70%.
- Developed APIs in Python and integrated with Gen AI, leveraging proprietary data sources to create a chatbot that provides users with essential information autonomously.

Suven Consultants and Technologies Pvt. Ltd. 07/2022 – 08/2022 | Kolkata

Internship.

Strengthened Java programming skills through hands-on project work, developing Java projects based on core principles to reinforce learning.

ESL Technology 06/2021 – 07/2021 | Kolkata

Internship.

Learned basics of Microsoft Azure Cloud and Power BI; developed a project processing COVID-19 datasets in Azure and visualizing results on Power BI.

EDUCATION

Narula Institute of Technology 2019 – 2023 | Kolkata

B-Tech

Graduated in Electronics and Communication Engineering from Narula Institute of Technology with 9.00 DGPA.

SOFTWARE PROFICIENCY

Java | Python | JavaScript | Spring Boot | Spring MVC | REST API | Graph QL | Gen AI | React JS |
Next Js | Rabbit MQ | HTML5 | CSS3 | Bootstrap | Tailwind CSS | SQL | Mongo DB | Git | Docker

PROJECTS

Big Brain 🔗

Technologies Used: Next Js, Typescript, Clerk, Convex, Groq-Cloud Inference, Shadecn UI

- **Objective:** Developed the project Big Brain to test and enhance my skills in full-stack development and AI-driven applications.
- **Outcome:** Created a functional application enabling users to upload, query, and perform vector searches on documents and notes while facilitating collaborative sharing through organizations.

Graph QL. 🔗

Technologies Used: Java, Spring Boot, Postman API.

- **Objective:** Improved data retrieval speed for client applications by replacing REST with GraphQL.
- **Outcome:** Reduced data-fetching latency by 45% and streamlined API response time.

Modernizing Data Connection Mechanism. 🔗

Technologies Used - Java, Spring Boot, HikariCP, MySQL, Grafana, Prometheus.

- **Objective:** Demonstrated the efficiency of modern connection pool mechanisms and real-time monitoring.
- **Outcome:** Enhanced connection efficiency and provided real-time performance insights using Grafana and Prometheus.