# **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)

### **Associate Consultant and Former Intern.**

02/2023 - present | Kolkata

- Developed ABDM Connector v2.0 UI with React. is and Spring Boot, boosting user engagement by 40% and reducing response time by 30%.
- Redesigned ABDM Connector v1.0 UI with React. is, 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. Internship.

07/2022 - 08/2022 | Kolkata

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

**ESL Technology** Internship.

06/2021 - 07/2021 | Kolkata

Developed a comprehensive understanding of Microsoft Azure Cloud and Power BI by executing a project that processed and analyzed COVID-19 datasets, presenting results through dynamic Power BI visualizations.

# **EDUCATION**

# **Narula Institute of Technology**

2019 - 2023 | Kolkata

**B-Tech** 

Graduated in Electronics and Communication Engineering from Narula Institute of Technology with 9.07 DGPA.

# SOFTWARE PROFICIENCY

# **Programming Languages:**

Java, Python, JavaScript, SQL, HTML5, CSS3, TypeScript, GraphQL

#### Frameworks:

Spring Boot, Spring MVC, React Js, Next JS, Tailwind CSS, Bootstrap

Microsoft SQL Server, MySQL, MongoDB

#### **Tools & Technologies:**

REST API, Gen AI, Multithreading, Microservice, Rabbit MQ, Docker, Git, Postman

# **PROJECTS**

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

- Obejctive: 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.

# **AWARDS**

# Client Extraordinaire 2024

 Recognized as "Client Extraordinaire" for delivering exceptional results and fostering strong client relationships across multiple projects.

# **Emerging Extraordinaire**

2023

• Received "Emerging Extraordinaire" award for outstanding performance during the first six months at EY.