**MD ENJAMUM HOSSAIN**

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**Summary**

Experienced backend developer proficient in Java. Skilled in ensuring smooth system operations and designing seamless distributed systems. Excels in optimizing performance and implementing real-time data processing. Strong team leader with a passion for innovation and pushing technological boundaries.

**Skills**

• Languages: Java, C, C++, SQL

• Technologies: Apache Spark, Apache Kafka, ElasticSearch, Firebase,

• Frameworks: Socket.IO, Android SDK

• Tools: Git, Postman

• Soft Skills: Leadership, Team Collaboration, Problem-Solving

**Experience**

**Reliance JIO** – Deputy Manager, June 2023 - Current

Bengaluru, IN

• Engineered an EclipseIDE plugin, enhancing coding proficiency and enabling advanced features like Code Explanation, Debugging, Optimization, Generation, and Stack Trace Analysis within 5 days timeframe.

• Led a pivotal real-time data processing project using Spark technology to manage extensive data streams from Jio towers nationwide, optimizing data processing operations and ensuring network reliability.

• Automated network packet capture to swiftly identify and resolve faults within complex network infrastructures, delivering robust solutions to enhance network performance.

• Skills: Java, Apache Kafka, Apache Spark, ElasticSearch

**TCS Research & Innovation Labs** - NLP Research Intern, May 2022 - July 2022

Kolkata, Remote, IN

• Leveraged Natural Language Processing (NLP) techniques to extract domain ontology from requirement specifications.

• Utilized advanced NLP models such as GPT Neo and BERT for Named Entity Extraction and relationship establishment.

• Implemented few-shot learning techniques to optimize model performance for specific project requirements.

• Skills: Python, Natural Language Processing (NLP), BERT, Transformer Models

**Pointo India** - Android Developer Intern, September 2021 - December 2021

Kolkata, Remote, IN

• Developed a robust Android app for real-time ride booking, acceptance, and tracking using Java and Socket.IO.

• Optimized app's background processes to address battery drain concerns caused by persistent Socket connection.

• Implemented real-time location tracking and ride request systems, achieving over 1,000 downloads in the first week.

• Skills: Java, Firebase, Socket.IO, Real-Time Location Tracking

**Projects**

**• Video Streaming App -** Java, Retrofit, Gson, Exoplayer2

Pre-fetching and caching mechanism for uninterrupted video streaming.

**• Speech Translator App -** Java, Retrofit, Gson, Flask, Python

User speech recognition and translation into multiple languages.

**• QRScanner -** Java, CameraX, ZXing

Fast and accurate QR code scanning and decoding.

**Achievements**

**• Facebook Hacker Cup 2021** - Ranked 1,761 out of 34,586 participants.

• Winners in **HackX**, a 24-hour hackathon organized by Scaler Academy.

• Finalist in **Flipkart Grid 4.0** organized by Flipkart.

**Education**

May 2023

IIEST Shibpur Howrah, West Bengal

Bachelor of Technology(B.Tech) Computer Science

Specialization: Software Development, Database Management, JAVA, Programming Paradigms, Discrete Mathematics