

# Arihant Jain

itsarihant09@gmail.com | arihant.dev | github.com/arihant-jain-09 | arihant-jain | linkedin.com/in/arihant-jain-09

May 2023 graduate seeking full-time opportunities in Web & App Development

## Experience

### Software Developer [C++ | Java | Bash | Python | Javascript]

Dec 2022 - Present

Dolat Capital, Mumbai

- Developed an Approximate Simulator, reducing simulation time by **150%** and improving efficiency.
- Designed and implemented a C++ build system to independently compile required components, optimizing development workflows.
- Created OHLC charts similar to **TradingView**, featuring smooth rendering and enhanced efficiency for market analysis using sockets and TBT data.
- Developed and optimized **low-latency** trading strategies for Equities, Futures, and Options, ensuring efficient memory management.
- Automated pipelines for data generation, regression testing, in-sample, and out-of-sample validation, streamlining strategy evaluation and deployment.

### FrontEnd Developer [Next.Js | SCSS]

Oct 2022 - Dec 2022

ManufApp ( Internship )

- Implemented a receipt pipeline converting JSON data to Excel, including images, and facilitating user-specific printing
- Developed a comprehensive goods verification system utilizing browser-based barcode API integration for streamlined scanning.

## Education

8.0/10 **BTech in Computer Science and Engineering, IIIT Jabalpur** | Madhya Pradesh, India

2019-23

## Achievements

2019 **All India 98.72% among 1.3 million candidates**, Joint Entrance Examination ( JEE )

India

2020 **Winner**, LED Matrix Competition 2020, Invicta Jabalpur

India

2022 **1st Runner Up**, Robothon Competition 2022, Jabalpur

India

## Skills

**Programming** C/C++, Java, Javascript, Dart, Python, SQL, Java, Scripting (Bash)

**Cloud Tools** **AWS** S3, CloudFront, Lambda, SQS, SNS, DynamoDB, Cloudwatch, Cognito, Redis, Kafka

**Frameworks/Libraries** React, Redux, Node.js, Express, SCSS, Tailwind, Flutter, ThreeJS, Django, Shadcn UI, Material UI

**Software / Tools** Linux, MongoDB, MySQL, Firebase, Git, Scrapy, Docker, Kubernetes, Tensorflow, OpenCV

## Projects

### JukeBoxStream [AWS | Redis | Kafka | NextJS]

September 2022 - Present

- Music Streaming Web App build on top of **AWS Infrastructure**.
- Protected HLS streaming with CloudFront and signed URL.
- Developed music storage similar to Google Drive for easy access to user favorites.
- Integrated vibrant color rendering based on cover images, inspired by Spotify's design
- Implemented geolocation hashing for optimized user experience and functionality.

### PatientDoc [Flutter | Firebase]

May 2022 - July 2022

- An app for hospital management which enables authentication and record storage.
- Provides medicine alarms and facilitates patient-to-doctor assignment.

### Mail Burst [React.Js | Node.Js | Express.Js | MongoDB]

May 2022 - July 2022

- Credit based Email Sending in Bulk using SendGrid and user feedBack.
- Uses Google OAuth and stripe payments.

### Discord Clone [Firebase | React.Js | SCSS]

April 2021 - May 2021

- Real-time messaging Web app with server/channel and roles creation like Discord.
- Enhanced user experience with message replies, multimedia uploads, auto video rendering, and message timestamps.