

# ARYAN BICHPURIA

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## Education

### National Institute of Technology, Jamshedpur

Bachelor of Technology in Electronics and Communication Engineering

November 2020 – July 2024

Jamshedpur, India

## Technical Skills

**Languages:** Java, JavaScript, Python, SQL

**Frameworks:** Spring Boot, ReactJS

**Development:** PostgreSQL, MongoDB, MSSQL, Azure SQL Database, RESTful APIs

**DevOps & Cloud:** GitHub Actions, Ansible, Docker, Azure (Key Vault, Blob Storage), PowerShell, CI/CD

**Utilities:** Git, Maven, Gradle, Swagger, Netflix Eureka, SLF4J, System Design, Microservice Architecture

## Experience

### BlueYonder

June 2024 – Present

Associate Software Engineer

Bangalore, India

### UMM TMS Application

- Built a high-performance **Java 11** application with **Maven, OpenCSV, DOM parsers**, processing **10,000+** entities in less than **2 mins**, cutting maintenance from **8 hrs → 15 mins**.
- Implemented **OAuth2 authentication**, multithreaded XML/CSV parsing, and custom exception handling.
- Designed a differential engine using **Java Streams, HashSets, visitor patterns**, achieving **99.9%** accuracy.
- Engineered a **CD pipeline** for **UMM model** onboarding and promotion, deploying **JAR artifacts** to **JFrog Artifactory** and propagating models across **10 global regions**.

### UMM Delegator

- Automated service coordination across **10+** distributed services, improving operational reliability to **99.5%**.
- Developed concurrent orchestration with **Java Callable** and **Log4j2**, enabling dynamic command execution.

### BlueYonder

January 2024 – May 2024

Software Development Engineer Intern

Bangalore, India

- Completed intensive training in **Java Spring Boot** and **microservices architecture**, developing distributed systems with service discovery patterns.
- Built and configured **Jenkins** CI/CD infrastructure with virtual machine slaves, optimizing build environments for multiple versions and improving deployment efficiency by **40%**.
- Developed **GitHub Actions** workflows for automated database artifact packaging and deployment pipeline integration.

## Projects

### ProductSearch E-commerce Platform | Java, Spring Boot, React, PostgreSQL | Backend Frontend

- Developed full-stack e-commerce platform with comprehensive **CRUD operations** supporting **1000+** concurrent users through responsive **React** frontend and **Spring Boot** microservices backend.
- Implemented **microservices architecture** with **Netflix Eureka** service discovery, enabling independent scaling and deployment of services with **50%** reduced system downtime.
- Secured application with **role-based access control (RBAC)** and stateless **JWT authentication**, ensuring data protection and session management.
- Built advanced product search and filtering capabilities with optimized database queries, achieving **40%** reduction in response time.

## Achievements

- Maximum contest rating of **1700+** on LeetCode with consistent problem-solving performance
- Ranked **2552/24523** in LeetCode Weekly Contest 350, demonstrating competitive programming skills
- Solved **800+** data structures and algorithms problems across multiple platforms
- Attained **1100+** rating on Codeforces, showcasing algorithm optimization proficiency
- Secured **14070 AIR** in JEE MAINS among 1.2 million candidates