

# Arjun Kshirsagar

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## SDE 1 | *Wealthy.in*

March 2025 – August 2025

- Architected and deployed a scalable **Reporting Microservice** enabling modular generation of investment reports.
- Built **ETL pipelines** for the in-house CRM, streamlining data flow across reporting and analytics features.
- Implemented **Stock Broking and AIF Analytics** within the CRM platform, enhancing investment visibility for advisors.
- Owned the **Investment Tracker** end-to-end, a core feature for monitoring client portfolio performance.
- Collaborated with the **Reporting Team** to deliver improved, actionable investment reports to users.

## SDE Intern (Backend) | *Wealthy.in*

August 2024 – March 2025

- Developed **Investment Tracker** using **GraphQL** & **FastAPI**, a core feature used by 20,000+ users.
- Collaborated on a critical project to develop CRM analytics, delivering team-level overviews for strategic decision-making. **Built SIP Analytics** using **ClickHouse** and **GraphQL**.
- Reduced server load by 40% using **Celery's exponential backoff** strategy for failed API retries.
- Introduced a feature for **Slack reporting alerts** in **Django**, ensuring timely and consistent information delivery.
- Leveraged **multiprocessing** efficiently to calculate the family overview for boosting application performance. Reduced 20K+ API calls reducing network time to optimize performance using **Redis caching**.

## EDUCATION

**Birla Institute of Technology and Science, Pilani**

July 2023 – June 2026

*Bachelor of Science in Computer Science*

*CGPA: 8.56*

## PROJECTS

**Annotex – CI/CD Pipeline** | *AWS, Docker, GitHub Actions, Kubernetes (EKS)*

January 2026

- Designed and implemented an end-to-end **CI/CD pipeline** for a backend annotation service using **GitHub Actions**.
- Built multi-stage **Docker images** with secure, reproducible builds and pushed versioned artifacts to a container registry.
- Automated deployments to **AWS EKS** using Kubernetes manifests, enabling zero-touch releases on merge to main.
- Configured environment-specific workflows (staging/production) with secrets management and rollback-safe deployments.
- Reduced manual deployment effort to near zero while improving release reliability and deployment consistency.

**Library Management System** | *Java, SpringBoot*

April 2024

- It's a software application designed to streamline and automate library operations. Provides functionalities for managing books, patrons, and lending records effectively.
- Implemented Patron Management System and added loggers for all CRUD operations.
- Implemented CRUD operations for products, customers, sales, and employees.
- Used Postman for API testing and validation to ensure reliable endpoints.

**Command Line Image Editor** | *Java*

September 2023

- Developed a command-line tool for various pixel-wise image processing operation.
- Applied precise mathematical calculations and user-defined parameters to achieve desired image transformations.
- Implemented features like grayscale conversion, brightness/contrast adjustment, flipping, rotation, blur, and filters.

**YULU Data Analysis** | *Python, Matplotlib, Pyplot, Numpy, Hypothesis Testing*

May 2024

- Analyzed YULU's data using Matplotlib, Pyplot, and NumPy for clear visuals like charts and graphs.
- Tested hypotheses using methods like p-tests, z-tests, and chi-square tests to find meaningful insights.
- Used statistical methods to validate findings that helped with decision-making.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, Bash, HTML/CSS

**Backend Frameworks:** FastAPI, Django, Spring Boot, GraphQL

**Databases & Caching:** MySQL, PostgreSQL, MongoDB, Redis, Cassandra, ClickHouse

**DevOps & Cloud:** Docker, Kubernetes (EKS), GitHub Actions, AWS

**Async & Data:** Celery, Pandas, NumPy, Matplotlib

## RELEVANT COURSEWORK

Data Structures and Algorithms

DevOps and Cloud

Object-Oriented Programming (OOPs)

Linear Algebra

High Level Design(HLD)

Systems Programming

Operating Systems & Relational Databases

Probability and Statistics

Low Level Design(LLD)

Concurrency

Web Development

Natural Language Processing