Aryan Mittal

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EXPERIENCE

Goldman Sachs   Bengaluru, Karnataka, India
Software Developer   *Jun 2022 – Present, Full-time*

Uplifting P&L Workflow | *Java, Scala, Apache Spark, Spring Boot, AWS Glue, React, TypeScript*
- Reduced overnight batch runtime by **88%** (from 9 hours to 105 minutes), improving system efficiency and streamlining onboarding by eliminating **4 million** lines of code.
- **Led the development and integration of a Cashflow component**, optimizing the pipeline by minimizing data hops and establishing more authoritative data sources, which enhanced data accuracy by **35%**.
- **Developed a unified derivatives calculation logic**, cutting down redundant processes and increasing computational efficiency by **40%** with Java, Spring, and Apache Spark.
- **Built a high-performance data reconciliation module**, leveraging advanced algorithms to reduce processing time by **63%**, ensuring faster and more accurate data consolidation.
- **Onboarded a new product line to the workflow UI**, enabling real-time status views, P&L access, and direct adjustments, boosting user efficiency by **20%**.

Developed RRR & Corporate Loans Workflow | *Java, Scala, Apache Spark, Ignite, SQL*
- Optimized Idrive to Lake data transfers, reducing processing time from **15 hours to 87 minutes** for over **100 million transactions**, a **90%** improvement in operational efficiency.
- Designed and deployed a daily **Risk-Weighted Asset calculation** workflow, replacing monthly triggers and ensuring more real-time financial insights, leading to **10x faster reporting**.
- Established an infrastructure to ensure **100% data accuracy and integrity** for Loans Data, effectively managing exceptions to guarantee data consistency.
- **Automated the generation of Adjustment Data**, saving **6-7 hours daily** for users, enhancing productivity through the elimination of manual data handling.
- **Automated data retrieval, SCRP stamping, and database storage**, reducing manual effort by **3-4 hours daily** and minimizing human errors through robust system integration.

Goldman Sachs   Bengaluru, Karnataka, India
Summer Intern   *June 2021 – July 2021*
- **Enhanced Capital Workflow** for Residential Mortgage Loans, minimizing manual intervention through streamlined sourcing structures.
- Upgraded data quality and reporting frequency from **weekly to daily**.

EDUCATION

Motilal Nehru National Institute of Technology   Allahabad, UP, India
B.Tech. in Computer Science & Engineering | *CGPA-9.6* **(Gold Medalist)**

SKILLS

Languages: C/C++, Java, JavaScript, TypeScript, HTML, CSS, Data Structures & Algorithms
Technologies: Apache Spark, Spring Boot, Node.js, React.js, GraphQL, REST, SQL, NoSQL, Systems Design

AWARDS & ACHIEVEMENTS

Institute Gold Medalist: Standing First in Academics in 2019, 2020, 2021 & 2022.
Winner of Hack36 Hackathon: Developed Smart Bot which generates **Smart Notes** for users in online classes, and notifies when names are called during meetings, using Python, Selenium, OpenCV, Google Speech API, and ML.
Developed an App for IIM Lucknow: Developed an educational app where Professors upload the notes & lectures, while students can leverage the same.
Coding Profiles: Codeforces - Expert | Codechef - 4star | Leetcode - Knight

EXTRA CURRICULARS & INTERESTS

YouTube - 45k Subs: Teaching and Learning about Programming and Software Development.