

Mihika Jain

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PROFESSIONAL SUMMARY

Result-driven Computer Science graduate with nearly 2 years of experience as a software developer. Adept in Python, Java, and cloud technologies, specializing in backend development, data engineering, and frontend integration. Demonstrates a passion for tech and a commitment to delivering high-quality solutions.

EXPERIENCE

Associate System Engineer — Airbus

Aug 2023 - Present

- Developed key performance dashboards for Airbus executive committee and b-performance managers
- Worked majorly with Python, React and Javascript on Cloud Platform Palantir
- Decreased resource consumption of ex-com dashboard by 70% by dropping compute, removing datasets and optimizing code in PySpark
- Established a data retrieval architecture that made response time 5X faster using Typescript
- Built a data historization system to store previously seen data that helps in business insight and data collection
- Built a data ingestion and metric calculation system in PySpark for performance measurement dashboards

Machine Learning Intern — ThermoFisher Scientific

Feb 2023 - July 2023

- Compared 6 AutoML tools to finally select AWS SageMaker and H2O.ai Driverless AI to adopt AI/ML
- Participated in onboarding for H2o.ai and analysed the POC
- Produced a comparative analysis report on innovations in AI/ML to present to senior management

Back End Development Intern — IndiaMART

Jun 2022 - Aug 2022

- Created a banking application backend architecture with API calls and Database querying
- Used Golang, POSTMAN, PostgreSQL for the implementation

SKILLS

- **Languages:** Python, Java, C++/C, PySpark, React, JavaScript, SQL, Golang
- **Domains:** Backend development, Data ingestion & pipelining, Machine learning, MySQL Database
- **Cloud:** AWS, Palantir
- **Corporate Skills:** Agile methodology, Documentation, Code review & Version control
- **Machine Learning:** Supervised ML, Time series forecasting, AutoML
- **Relevant Courses:** Data structures, Software engineering, DBMS, Operating systems, Machine learning

EDUCATION

B.Tech in Computer Science at Mahindra University

(CGPA: 9.0)

High School with Science and Math Major at Nasr School

(12th grade: 96%)

ACHIEVEMENTS

- AY 2022, 2023, 2024 University Scholarship holder
- Expert level: Data Structures (DSA) and Competitive Coding

LEADERSHIP

- Member of Academic Student Council
- Board Member at Non-Profit Street Cause
- Curator, TEDxMahindraEcoleCentrale