

# Ashish Rai

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## Skills

**Languages:** Java , JavaScript , TypeScript , SQL

**Technologies & Tools:** Spring Boot, Vertx java , Rxjava , Langgraph , MongoDB , Git/Github , Awslamda , IntelliJ , VS-Code , Postman , S3

## Work Experience

**Dice.Tech, Pune**

Aug 2024 - Present

**Software Developer Intern**

- Integrated and maintained two email notification functionalities for **MakeMyTrip** using serverless service **AWS Lambda** , cron jobs for scheduling , Retrofit for **microservice communication** and Twig for template. Implemented pagination and asynchronous processing and handling **5000+** notification efficiently.
- Developed a dashboard for **SAP integration** using **MongoDB** as the database. Created APIs with filters and pagination, and implemented indexing for efficient querying, which significantly improved data visibility for **United Breweries**.
- Integrated train booking through **MakeMyTrip** into MyClaims by connecting an **S3 bucket** to the server for fetching CSV files. Implemented logging in MongoDB and used Retrofit for microservice communication to store the data in **SQL Server** and MyClaims. Optimized the process with efficient file handling, asynchronous processing, and ensured data consistency across services.
- Worked on **HRMS** , **SAP** , and **ERP** integrations , developing and maintaining multiple features. Ensured seamless data exchange between systems, optimized workflows, and improved operational efficiency through API integrations and automation.
- Led database recovery and revamp, restoring critical expense data for **100+ users worth 20 lakhs+**. Successfully recovered multiple records across various tables, preventing significant financial loss and ensuring data integrity for business continuity.
- Developed a **multi-agent system** for policy document analysis. Implemented a Policy Expert Agent to extract insights and answer user questions using a Retriever Tool for contextual retrieval from a **vector database**.
- Java , SQL , Mongo , S3, AwsLamda , Microservices , Retrofit , Sap , ERP , Langgraph

**Walkover, Indore**

Jun 2024 - July 2024

**Software Quality Analyst Intern**

- Integrated different apps using OAuth 2.0 , OAuth for secure authentication and automated workflow execution. Developed and tested workflow automation for seamless data exchange between apps.
- Javascript

## Education

**IIPS DAVV Indore**

July 2020 - present

MTech Integrated 5 year in Information Technology

**CGPA: 8.5/10**

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Data Mining, Advance Data Structures and Algorithms, Information Retrieval

## Project Work

- **IIPS Student Portal (2024):** Platform is created for our college , offering easy access to essential study materials. It includes subject syllabus , lecture notes , online references and previous year papers , providing a convenient and enriched learning experience for students , React , Redux for state management , Firebase API for authentication, file storage and firestore database. Live project with **500+ users** and Faculties of IIPS DAVV .
- Url: [www.iipsunofficial.com](http://www.iipsunofficial.com)
- **Gmail Reader Agent:(2024) Multi-agent** system to automate invoice extraction from Gmail. Designed and implemented a Supervisor Agent to handle user interactions and delegate tasks, while a Classifier Agent analyzed email content to identify and extract invoice details. Integrated the Gmail Toolkit to fetch and process emails received on the current day, enabling efficient classification and summarization of invoices. Langgraph , Typescript
- **iNotebook (2022):** Created a cloud-based note-taking web application using ReactJS, Express.js and MongoDB. Implemented user authentication with JWT for secure signup and login. Enabled users to create, retrieve, update, and delete notes, ensuring seamless data management with MongoDB for efficient storage and retrieval.