

Albin Joseph *Master's student in Artificial Intelligence | Application Developer*

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🔗 Website: <https://albinjoseph03.github.io/web/>

PROFESSIONAL EXPERIENCE

Systems Engineer

03/2021 – 04/2023 | Bengaluru, India

Infosys Limited 🏢

- Developed scalable applications using Spring Boot, Angular and SQL, improving client efficiency.
- Implemented a data mining system to fetch data from API using Python for different sources such as APIs, Gitlab, Jira, SonarQube, etc.
- Designed and Developed APIs.
- Built schema for the different sources and stored data in the database.
- Responsible for writing unit tests for newly developed features.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements.
- Reviewed codes, debugged problems and corrected issues.

- Technical Skills:

- Programming Languages: Java, Python, JavaScript, TypeScript,
- Frameworks and Libraries: Angular, SpringBoot, SpringREST, Nodejs
- Tools: GitLab, Jira, Confluence

Software Engineer Trainee

12/2019 – 06/2020 | Erode, India

Crescent Infotech

- Developed and maintained the features for a Learning application.
- Leveraged tools such as Docker and GitHub to support the development process.
- Used version control and continuous integration tools such as Git and Jenkins to maintain software lifecycle during software release.
- Optimized existing code and resolved bugs.
- Utilized Confluence, SharePoint and MS365 tools for documentation.
- Participated in Agile sprints, contributing to code reviews and project management.

- Technical Skills:

- Programming Languages: Python, JavaScript, HTML, CSS
- Frameworks and Libraries: Angular, Nodejs
- Tools: GitHub, Jira, Docker

PROJECTS

Movie Recommendation System Using Machine Learning

- Used Movie lens 100k Dataset to train the model
- Split the data into training, validation, and evaluation sets and built a generalized model
- Applied hybrid collaborative filtering approach and combined the results of the KNN and model-based SVD algorithm to predict movie ratings of the users
- Used the Leave One Out Cross-Validation technique to boost the performance of the model.

Learning Platform

- Used Javascript, HTML, and CSS in Frontend and SpringBoot in the backend
- Built the learning platform to provide online courses, lectures, quizzes, and exams to students in one place.
- Implemented Attendance management systems, Course invitation requests, Exam portal, Discussion forum, Theme integrations, and many more features.

E-Commerce Web Application

- Used Python, Javascript, Bootstrap, HTML5, CSS3
- Built attractive user interfaces for local supermarkets.
- Applied various data validations to ensure user privacy.
- Implemented Product categories, Payment Integration, Login/Sign-up Functionality, etc.

Skills

Language

Python, Java, JavaScript, C++, HTML, CSS

Libraries and frameworks

Angular, Spring Boot, Pandas, Numpy, Matplotlib

Database

MySQL, PostgreSQL

Documentation tools

MS365, Word, Excel, Power Point

Management tools

GitHub, GitLab CI/CD, Postman, Jenkins, Jira, Confluence

Knowledge

Object-Oriented Programming, Agile Project Development, Web Development, API Integration, Software Development, Data Science

Operating System

Linux(Ubuntu), Windows

EDUCATION

Master of Science [MS] in Künstlicher Intelligenz

2023 – present | Germany

Brandenburgische Technische Universität

Data Mining | Data Governance | Database Management | Machine Learning with Datasets and Statistical Methods | Data Warehousing | Causal Data Science | Neural Networks | Deep Learning | Large Language Models

Bachelor of Engineering in Computer Science

2016 – 2020 | Chennai

Anna University

Java | C | Python | MySQL | HTML | CSS | Javascript | Networks | Software Engineering Principles | Project Management

Languages

English

C1

German

B1 (B2: Actively studying)

CERTIFICATES

- REST API using Spring REST
 - Modern JavaScript for Web Development
- Spring Boot and Angular-React Stack
- Web Technology Landscape