

Utkarsh Raj

Software Developer

I am an experienced software developer with expertise in Java, Spring Boot, Conversational AI and E-Commerce. I have a proven track record of designing, developing, and maintaining complex software applications in competitive startup environments. Over the past **3+ years**, I've worked as a **Full Stack** Developer. I am enthusiastic about contributing my skills to further company objectives while continuing to enhance my capabilities

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WORK EXPERIENCE

Software Developer Lenskart

05/2023 - Present

Bengaluru

Lenskart is an omnichannel eyewear retail chain offering a wide range of glasses with innovative technologies.

Achievements/Tasks

- Productionized **Visual Search** (frame suggestions based on visually similar frames) used yoloV5 for frame detection, MilvusDB for vector search and integrated it with product listing API.
- Designed, developed, and integrated a versatile library compatible with Spring projects, facilitating seamless integration for encrypting or decrypting **Personally Identifiable Information (PII)** data stored in databases or in network transit, enhancing system security and ensuring compliance with **data protection laws**.
- Integrated Juspay payment gateway, enabling dynamic routing for both PayU and Juspay concurrently. Achieved a **10% increase** in uptime and more payment options, leading to a **5% increase** in revenue worldwide.

Software Developer Salesken.ai

09/2020 - 05/2023

Bengaluru

Salesken helps companies realize the benefits of the "Science of Sales", the best of AI and Data Sciences to sales performance.

Achievements/Tasks

- Led the design, scaling, and development of the sales call analysis engine v2 from the ground up using Spring boot and microservice architecture, resulting in a **3X increase** in load capacity.
- Implemented cutting-edge semantic search, text completion, and fuzzy search using ElasticSearch, BERT, and USE embeddings, enabling meaningful search results based on text meaning, enhancing **user experience and search functionality**.
- Contributed in the development of **real time cue generation** engine for live sales calls based on conversation meaning, using web socket, BERT and MilvusDB.
- Built and scaled Webinar Bot which facilitates attendance, recording and live stream audio and video from Google Meet and Zoom. Used Puppeteer, Node.js and Kubernetes in the process which can handle **2k concurrent live** webinars.
- Conducted Proof of Concept (PoC) and led the development of a predictive model for lead conversion forecasting, achieving **88% accuracy** using Google AutoML and XGBoost.

SKILLS

Java

Python

Spring Boot

HTML

CSS

JavaScript

JSP

Flask

NodeJs

Elastic Search

PostgreSQL

Milvus

MongoDB

Redis

Docker

Kafka

Linux

Kubernetes

Microservices

AWS

Azure

EDUCATION

BIT Sindri (2017 - 2021)

B.Tech (Computer Science and Engineering) - 7.4(CGPA)

PERSONAL PROJECTS

CareerIn Platform (08/2020 - 08/2020)

- Led the development of CareerIn, a professional career counseling platform. Employs AI-driven questionnaires to predict optimal career paths, while also providing insights into industry trends and alternative career probabilities.
- Tech stack** - H2O.ai, Spring Boot, Spring Security, JSP, and PostgreSQL.
- Github link** - <https://github.com/SkilledIn-Labs/careerIn>

Movie Recommendation System (06/2019 - 07/2019)

- Developed a Movie Recommendation based on user rating using Netflix Dataset.
- Tech stack** - Machine Learning, scikit-Learn, NumPy, Pandas, Matplotlib.
- Github link** - <https://github.com/theroyalraj/Machine-Learning>

ACHIEVEMENTS

Employee of the Quarter award (07/2017 - 06/2021)

Received the "Employee of the Quarter" recognition for my contribution in the development of analysis engine in the record time of 5 days.

ORGANIZATIONS

Prayaas India (NGO) (2017 - 2020)

Teaching and Management

The Arts Club (2018 - 2021)

Treasurer

INTERESTS

Playing Violin

Listening/Composing Music