

# AMAN INDIA

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## TECHNICAL SKILLS

**Programming:** Java, JavaScript, HTML5, CSS3, TypeScript, C++, Python, R-Programming

**Expertise:** Full-Stack Development, Micro Services, Data structures & Algorithm, Operating System, SDLC, Computer Vision

**Technologies:** Spring Boot - Webflux, Vue.js, Rest API's, Databases, MongoDB, DB2, MySQL, Hadoop, Hive, Apache spark, Linux, Elasticsearch, Docker, Kubernetes, Git, GitHub

## EXPERIENCE

### Rakuten

January 2023 – January 2024

Software Engineer - SixthSense Observability

Bengaluru, Karnataka

- Achieved a 98.8% reduction in system query response time, optimizing it from 2.5 seconds to 30 milliseconds by implementing Redis cache over Presto query engine, integrating Presto with Elasticsearch on Amazon S3 object storage.
- Proficient in API development, Microservices, Database migration, Data pipelines, and feature development spanning from Backend development to Frontend development.
- Experienced in working with advanced data management tools such as Trino, Druid, RaftorX, Allexio, Apache Drill, MinIO, Kafka, Flink, Hazelcast, Iceberg, and others.
- Skillset: Full Stack Development, SpringBoot - Spring - Webflux, Vue.js, Data Engineering, Web Services, MySQL-NoSql, Linux, Elasticsearch, GraphQL and others.

### Takeleap

April 2022 – July 2022

Machine Learning Intern - SeekRight

Bengaluru, Karnataka

- Enhanced SeekRight product efficiency by 4% through feature enhancements, Optimizations, Deep learning model tuning, and Bug fixes.
- Enhanced Support team productivity by almost 80% through developing 2 multipurpose data management Tools.
- Led various POC projects, focusing on object detection and tracking, Identification systems, and addressing security challenges.
- Skillset: Computer Vision, Machine Learning, Deep Learning (CNN, RNN, LSTM, GANs, and others), ImagePre/Post-processing, OpenCV, Python, PyTorch, Tensorflow, Linux, PySimpleGUI, MySQL and more.

### Xfinito Biodesigns

March 2022 – April 2022

Research and Development Intern

Bengaluru, Karnataka

- Worked over the complete product development Cycle (Full-Stack web application).
- Researched open-source technologies, research papers, and tools availability, and further POCs.

## PROJECTS

**DressMeNow - Virtual Try On** | Python, Neural Network, React, GAN

September 2023

- Virtual Clothes try-on for e-commerce, built with React and powered by CP-Vton neural network.
- Got selected in **TOP 100 out of 550+** idea submissions in Rakathon'23- A Hackathon organized by Rakuten India.

**Rice Grains Analysis** | Python, OpenCV, Image Processing

June 2023

- Rice Grains Quality with 95% + accuracy over the calculation of Grains size and color identification.
- Overcome major challenges of Noise removal, Touching grains problem(Watershed algorithm).

**Tweets Entity Extraction and Sentiment Analysis** | Python, NLP, Data Pre-processing

October 2022

- Worked over Data cleaning, Tweets language conversion using Google API and, Entity Extraction using Text Blob.
- Analysed Sentiments of Authors towards each Entity and further classification.

**Retail Visual Intelligence and analytics** | Python, Opencv, Computer vision, DNN

November 2022

- Retail Visual Intelligence software for product Matching and Analytics using shelf-captured images.
- Used transfer learning, trained ResNet-50 on Custom dataset with 95% model accuracy.

## ACHIEVEMENTS/ LEADERSHIP

- Microsoft** Learn Student Ambassador.
- 3\* at **Codechef**(1613 currently).
- 554 Global ranks** at codechef April Long challenge 21.
- Worked over **10+** Freelancing projects for International Clients.
- Founder of **TYSAL** Community (Teach your skills and learn) with **200+ active members** over Globe – Conducted more than 20 live events mentoring **2000+ students** - including In-University events.

## EDUCATION

**Lovely Professional University**

June 2019 – June 2023

Bachelor's of Science in Computer Science and Engineering | CGPA - 9.0/10 | **CR - 4 consecutive semesters**

Punjab, India