Aman India

📞 +91 9939402131 ✉ namasteamanprasad@gmail.com 🔗 LinkedIn ⭘ Github 🐦 Twitter

Technical Skills

Programming: Java, C++, JavaScript, TypeScript, Python, R-Programming, HTML5, CSS3
Expertise: Full-Stack Development, Web Services, Data structures and Algorithm, Operating System, SDLC, Computer Vision
Technologies: Spring - Spring Boot - Webflux, Micro Services, Vue.js, Rest API's, Databases, MongoDB, DB2, MySQL, SQL Server, Hadoop, Hive, Apache spark, Linux, Elasticsearch, Dockers, Kubernetes, Git, GitHub, Bit-Bucket

Experience

Rakuten   **January 2023 – January 2024**
Software Engineer - SixthSense Observabilty   *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 - 7.85/10* | **CR - 4 consecutive semesters**   *Punjab, India*