

MUSKAN MALHOTRA

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EDUCATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

New Delhi / India

Bachelor of Technology – Computer Science and Engineering

Aug 2018 – Jul 2022

- Academic Scholar Award – 9.2 CGPA
- Course: Object-Oriented Programming, Data Structures and Algorithms, OS, DBMS, AI/ML

SKILLS

- Languages: Java, Python, JavaScript, SQL, HTML/CSS, TypeScript, MongoDB
- Frameworks: Nodejs, Angular, React, Flask, RestAPI, TensorFlow, ORM
- Familiar with: Full Stack, Git, Docker, Kubernetes, CI/CD, AWS, Microservices, Springboot, Maven, Kafka

PROFESSIONAL EXPERIENCE

VOLKSWAGEN GROUP

Software Engineer

Haryana - INDIA
AUG 2022 – Present

My contributions towards my organization have not only streamlined processes but also significantly bolstered our product offerings, leading to heightened user satisfaction and operational efficiency.

PROJECT 1: IRIS

- Implemented cost-effective solutions, resulting in a 20% reduction in project expenses. Streamlined project workflows, enhancing overall efficiency by 25%.
- Led a team in successfully delivering a complex engineering project on time and within the allocated budget. Collaborated with cross-functional teams, enhancing project success rates by 10%.
- Engineered a robust SaaS solution leveraging Nodejs, Angular, SQL, Kafka and Rest APIs; improved data processing speed by 50%, and onboarded 300+ new clients in 6 months.
- Resulting in a 40% increase in user accessibility and a 20% expansion in user base, the tool is now utilized by over 5,000+ active users.

PROJECT 2: OCR

- Led the development of an end-to-end OCR pipeline using Azure Cognitive Services; trained a digital invoice processing model that reduced manual entry time by 70% and increased processing accuracy by 85%.
- Optimized digital invoice processing, resulting in 8x time speedup and an 80% improvement in accuracy. 10,000+ active users are using the tool.

TextCK

Software and ML Engineer

New Delhi - India
March 2022 – June 2022

I've been instrumental in spearheading key initiatives at TextCK, driving impactful solutions that have elevated our technological capabilities.

- Managed project timelines, reducing delivery times by 30%.
- Spearheaded the adoption of cutting-edge engineering software, improving project accuracy by 15%.
- Delivered high-quality end-to-end products for recognizing the text over PAN and Aadhar Card details.

PROJECTS

- **Yoga Core:** MongoDB, HTML, CSS, JavaScript, Python, OpenCV, ML
 - Orchestrated Full Stack development, Integrating UI, Rest Apis and reducing posture defects by 20%. Effective in forming and maintaining correct yoga postures providing real-time analysis.
- **Intelligent Assistant using Voice Recognition:** Python, OpenCV, Image Processing, ML
 - Built a real-time hand detector to provide a real classroom engagement experience during the pandemic with 20% of professors using it in online classes.
 - Enhancing experience in whiteboard writing, real-time typing and mouse clicks with just hand gestures.

AWARDS & PUBLICATION

- **VOLKSWAGEN GROU:** Innovation Award Winner - Q4 – 2023 || Instapat Award Winner – Q2 – 2024
- **Springer Chapter:** Untangling e-voting platform for a secure and enhanced voting using blockchain technology - [Transforming Management with AI, Big Data and IOT](#)