

Shubham Baid

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WORK EXPERIENCE

Sparkcognition Inc

May 2022 – Present

Senior AI Engineer - Computer Vision

Bengaluru, India

- Introduced and integrated VLM capabilities inside VAIA, improving accuracy of solutions over 80%.
- Leading the development of VAIA's School Safety Suite, implemented use cases including firearm detection and person re-identification across multiple cameras.
- Leading a team of AI Engineers and guided them to adapt right practices for streamlined development and timely deliverables.
- Designed a resource-efficient computer vision pipeline for partner's low-power ARM hardware, optimizing for limited CPU (50%) and RAM, incorporating hardware-level enhancements and model quantization.
- Led the development of a gamified auto-image annotation tool, enhancing dataset preparation and model training efficiency through innovative architecture.

Integration Wizards Solutions

June 2021 – May 2022

Senior AI Engineer, AI Engineer

Bengaluru, India

- Engineered an ALPR solution with rapid acceleration and minimal resource consumption, deployed across thousands of cameras worldwide.
- Contributed to developing use-cases and training diverse computer vision models, ensuring quality assurance and HSE compliance for global industries.
- Honored as a 'Rising Star' for delivering significant contributions across multiple projects in a remarkably short timeframe.
- Trained and deployed custom computer vision models to enhance hygiene protocols and COVID compliance at scale, benefiting India's largest FMCG warehouses.

EDUCATION

REVA University

Aug, 2021

B.Tech, Computer Science and Engineering

Bengaluru, India

- Outstanding Cumulative GPA of 8.4/10.
- Distinguished as the "Best Outgoing Student" in 2021.
- Founded and led the Hackathon Club, overseeing the successful organization of two national-level hackathons with participation from across the country.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Tensorflow Certified Developer, Jetson AI Specialist, Intel Edge AI Specialist
- **Skills:** C++, Python, Computer Vision, Deep Learning, HPC, OpenCV, Tensorflow, Pytorch, ONNX, TensorRT, Docker, ARM NN, Linux, VLMs, LLMs..
- **Interests:** Hackathons, Hiking, Biking.