YASH SHARMA

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EDUCATION

University of Southern California — August 2023-Present
Master of Science
- Computer Science (Artificial Intelligence)

Thakur College of Engineering and Technology — August 2019-May 2023
Bachelor of Engineering
- Computer Engineering
- GPA: 3.8 / 4.0

EXPERIENCE

Member of Technical Staff — September 2021-February 2023
SecOps Solution, New Castle, DE
- Developed a proprietary risk assessment Machine Learning model from scratch with 87% Accuracy
- Designed and developed over 90% of a production-ready command line interface for company's flagship product to be used offline inside secure closed networks
- Conducted Full Stack development responsibilities for business requirements and collaborated with customers directly
- Investigated system issues and implemented resolutions resulting in over 60% speedup in Backend API responses
- Mentored 4 new hires to get up to speed with product stack and workflows

TECHNICAL SKILLS

- Languages: Rust, Python, Typescript, C++, C#
- Database: Sqlite3, MongoDB, Supabase, Redis
- Cloud: GCP, AWS, Azure
- Machine Learning: Tensorflow, Pytorch
- Technologies: Git, React, Svelte
- Certifications: https://portfolio-yashs662.vercel.app/certificates

PUBLICATIONS

- One Framework to Detect Them All: A Cross-Industry Object Detection System - TIJER Volume 10 Issue 4, April-2023, Paper ID - TIJER2304050,

ACCOMPLISHMENTS

- Google Developer Student Club's Cloud Lead at Thakur College of Engineering and Technology (GDSC-TCET) - organized and led cloud infrastructure training sessions for 150+ students over 30 days on campus, helped raise awareness about growth and migration toward cloud technologies (Sep 2021 - Aug 2022)
- CSI (Computer Society of India)-TCET: led as a graphic designer and promoter for creating awareness about educational events on campus (Sep 2020 - Dec 2020)
- TEDxTCET: Worked as a graphic designer, promoter, and executor of sponsored events, and worked closely with speakers to refine speeches as per guidelines at an individually organized TED event (Jul 2020 - Sep 2020)
- Promoter and graphic designer for college magazine Quasar focused on articles in technical fields (Jan 2021)
- Acted as Captain of Smart India Hackathon (SIH) Team (Jan 2023)

ACADEMIC PROJECTS

Open-Source Project owner, Rust-Kanban, Mumbai, India — June 2023-Present
- Built a rust language-based Kanban board for the terminal with cloud-save functionality
- Devised a robust and expandable architecture for easy maintainability for other open-source contributors
- Built an easy-to-use terminal user interface (TUI) with animations

Project Leader, iMonitor, Mumbai, India — August 2022-April 2023
- The project focuses on enhancing current CCTV systems with temporal analysis and event classification in a modular one size fits all package
- Orchestrated horizontal scaling capabilities with docker-compose to allow for large-scale operations
- Fine-tuned a machine learning model to 84% accuracy, along with designing and creating a user interface for the product