

SHUBHAM SINGH

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Pune, Maharashtra - 411021, India

OBJECTIVE

I am a passionate and dedicated Computer Science student at Symbiosis Institute of Technology, Pune, currently in my third year. With a strong foundation in software development, machine learning algorithms, deep learning, cloud computing, and cybersecurity, I continuously seek opportunities to apply my knowledge to real-world challenges..





EXPERIENCE

- Vinksons India Pvt Ltd**  Nov 2023 - May 2024
Data Analyst Indore, India
 - Conducted sales and market analysis, identifying key trends to optimize business strategies.
 - Developed interactive dashboards using Power BI/Tableau, enhancing data-driven decision-making.
 - Automated reporting processes, reducing manual effort and improving efficiency by 30%.
 - Provided actionable insights on customer behavior, driving a 15% increase in sales performance.
- ISKCON (Service-Learning Project)**  July 2024 - Dec 2024
Technical Contributor Pune, India
 - Developed SCORM-compliant e-learning modules, improving digital accessibility.
 - Built a math-based asteroid game for interactive learning.
 - Transcribed and digitized educational materials for streamlined documentation.

EDUCATION

- Symbiosis Institute of Technology (SIT)** Sep 2022 - Sep 2026
Bachelor of Technology - Computer Science Pune, India
- Prestige Public School** Jun 2020 - May 2022
High School Diploma Indore, India
 - Grade: 9/10
- Prestige Public School** Jun 2018 - Jun 2020
Middle School Diploma Indore, India
 - Grade: 9.1/10

PROJECTS

- Math-Based Asteroid Game: An interactive game for learning math** Sept 2024 - Nov 2024
Tools: Python, Pygame 
 - Developed a game where players solve math problems to destroy asteroids.
 - Implemented real-time scoring and level progression for adaptive difficulty.
 - Designed an engaging UI to enhance the learning experience.
- Object Detection using YOLOv5: Real-time object recognition system** June 2024 - July 2024
Tools: Python, YOLOv5, OpenCV 
 - Trained YOLOv5 on a custom dataset, achieving high-accuracy detection.
 - Optimized model performance for real-time applications.
 - Created a visualization dashboard for object tracking.
- MERN with Generative AI (DALLE): AI-powered image generation platform** Jan 2024 - March 2024
Tools: MongoDB, Express.js, React.js, Node.js, OpenAI DALLE API 
 - Developed a full-stack web application integrating OpenAI's DALLE for AI-generated images.
 - Implemented secure user authentication and image storage using MongoDB.
 - Optimized API requests for efficient AI-driven image generation.
 - Designed an intuitive UI in React for seamless user experience.
- Alcohol Detection in Vehicles: IoT-based safety system** Sep 2023 - Dec 2023
Tools: NodeMCU, MQ-3 Alcohol Sensor, Arduino, C++ 
 - Developed an IoT-based system to prevent drunk driving using an alcohol sensor.
 - Integrated MQ-3 sensor with NodeMCU to detect alcohol levels in real time.
 - Implemented a vehicle ignition lock mechanism to restrict access if alcohol is detected.
 - Designed a mobile alert system to notify emergency contacts in case of high alcohol levels.

SKILLS

- **Programming Languages:** Python, Java, C++, JavaScript, SQL
- **Web Technologies:** HTML, CSS, React.js, Node.js, Express.js
- **Database Systems:** MongoDB, MySQL, PostgreSQL
- **Data Science & Machine Learning:** TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, OpenCV
- **Cloud Technologies:** AWS, Google Cloud, Firebase
- **DevOps & Version Control:** Git, GitHub, Docker, CI/CD, Kubernetes
- **Specialized Areas:** Computer Vision, Deep Learning, Cybersecurity, IoT Systems
- **Mathematical & Statistical Tools:** Matplotlib, Seaborn, SciPy, Statsmodels, MATLAB
- **Other Tools & Technologies:** Power BI, Tableau, Arduino, Raspberry Pi, SCORM
- **Research Skills:** Data Analysis, Algorithm Optimization, Technical Writing, Model Evaluation, Market Research, Statistical Analysis

LEADERSHIP EXPERIENCE

- **SCORM & E-Learning Content Developer**

Aug 2024 - Nov 2024

ISKCON (Service-Learning Project)

 - Led the development of SCORM-compliant e-learning modules for educational content.
 - Designed interactive presentation templates to improve learning engagement.
 - Collaborated with a team to streamline transcription and content structuring.
- **Valorant Event Lead**

Jan 2025 - Present

Symbiosis Institute of Technology

 - Organized and managed Valorant esports tournaments for college students.
 - Coordinated with participants, casters, and sponsors to ensure smooth execution.
 - Designed event structure, match brackets, and live-streamed key matches.

VOLUNTEER EXPERIENCE

- **Support Volunteer for Differently Abled Persons**

Dec 2024 - Jan 2025

Local Community Outreach Program

 - Assisted differently abled individuals in daily activities and community engagement programs.
 - Organized interactive sessions to promote social inclusion and accessibility awareness.
- **Rath Yatra Volunteer**

Sep 2024 - Sep 2024

ISKCON

 - Managed traffic coordination and ensured smooth crowd movement during Rath Yatra.
 - Assisted in large-scale food distribution, serving hundreds of devotees.

CERTIFICATIONS

- **Certification in Design Thinking**

Jan 2025

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Native), German (Basic)
Interests: Software Development, Machine Learning, Cybersecurity, Esports