**VOC’s SOP QUESTIONNAIRE**

**(Kindly fill all the questions as per the instructions)**

**PERSONAL INFORMATION:**

Full name: Yash Omprakash Varma

Date of birth: 04 Oct 2001

Email Id: yashovarma2001@gmail.com

Phone number: 8080137046

Permanent Address: 34, Laxmi Krupa Housing Society Near Rly Bridge, Ahmednagar 414001

Current Address: G801, Rohan Abhilasha Society, Lohegaon Wagholi Road, Wagholi Pune 412207

**ACADEMIC INFORMATION:**

1. 10th grade
   * School name: AES Ashokbhau Firodia, English Medium School & Jr. College, Ahmednagar
   * Board of education: Maharashtra State Board
   * Marks scored: 315/500; 63.00%
   * Year: 2017
2. 12th grade
   * School/ College name: AES Ashokbhau Firodia, English Medium School & Jr. College, Ahmednagar
   * Specialisation: Science
   * Board of education: Maharashtra State Board
   * Marks scored: 407/650; 62.62%
   * Year: 2019
3. Diploma
   * School/ College name: NA
   * Specialisation: NA
   * Board of education: NA
   * Marks scored: NA
   * Year: NA
   * Did you have any backlog: NA
4. Bachelor’s course: Bachelor of Computer Engineering
   * School/ College name: Genba Sopanrao Moze College of Engineering, Balewadi Pune
   * Specialisation: Computer Engineering
   * Board of education: Pune University
   * Marks scored: 8.36 CGPA
   * Year: 2023
   * Did you have any backlog: Yes, one in first year, first semester in subject Chemistry
5. Post-graduation diploma
   * School/ College name: NA
   * Specialisation: NA
   * Board of education: NA
   * Marks scored: NA
   * Year: NA
   * Did you have any backlog: NA
6. Any additional certification or extra course information?
   * + - 1. Machine learning with Python – **IBM**
         2. Regular Expression in Python - **Coursera**
         3. Deep Learning Masterclass - **Udemy**
         4. C Programming - **Great Learning**
         5. Python for Data Science – **IBM**
         6. Data Analysis with Python – **IBM**
         7. Data Visualization with Python – **IBM**
         8. Python certification from **Kaggle**
         9. Completed C++ training by **IIT Bombay**
         10. Completed C training by **IIT Bombay**
7. What languages can you speak?

English, Hindi, Marathi

1. Your score in IELTS/ TOEFL/ GRE/ SAT/ DUOLINGO/ OTHERS?

Yet to appear

**PROJECT INFORMATION:**

(Please mention details about the college projects, if any)

* **Title of the project:** Vehicle Detection using Deep Learning
* **Aim of the project**: The aim of this project is to successfully detect vehicles using Deep Learning model YOLOv8
* **Method or technique used for the project**: I trained the model using vehicle dataset for YOLO with 3000 images
* **Conclusion:** The model has achieved mAP (Mean Average Precision) of 92.1%
* **Extra information:** This is a published Research Paper named “**Vehicle Detection Using Deep Learning**” recognized by the GIS Science Journal – ISSN NO: 1869- 9391 | [Vehicle Detection Using Deep Learning](https://gisscience.net/VOLUME-10-ISSUE-5-2023/)

**INTERNSHIP INFORMATION:**

(Share details about your internship, if any)

**First Internship**

* **Company’s name:** OneVoice Transmedia Pvt. Ltd.
* **Your role:** Web Developer Intern
* **Project name:** Developed a dynamic WordPress website for a 3-star hotel
* **Duration of internship:** 1 month
* **Start to end date:** 21Jan 2022 – 17 Feb 2022

**Second Internship**

* **Company’s name:** Exposys Data Labs
* **Your role:** Data Science Intern
* **Project name:** Diabetes prediction using data science
* **Duration of internship:** 1 month
* **Start to end date:** 23Mar 2022 – 22 Apr 2022

**WORK EXPERIENCE:**

(Share details about your work experience, if any)

* **Company’s name:** Maveric Systems Limited
* **Your role:** Software Development Engineer (SDE)
* **Project name:** NA
* **Duration of work tenure:** August 2023 – Present (1.5 years)
* **Start to end date:** August 2023 – Present
* **Awards:** HIGHFIVE Award winner for commitment
* **Certifications:** Participated in Hackathon 2023, a company wide competition

**APPLICATION INFORMATION:**

(Share details about you study abroad application)

1. **Was there an incident that influenced your decision? If so, describe it?**

During my engineering, working on projects like Vehicle Detection using Deep Learning and an AI Voice Assistant helped me realize the immense potential of AI in solving real-world problems. These projects sparked my interest in pursuing advanced studies in AI to deepen my knowledge and contribute to this transformative field.  
Additionally, I would like to highlight that my project guide for my final year project recently moved to the UK and is now working as a professor at Southampton University, teaching undergraduate students and MSc AI students. His influence further inspired my decision to pursue a master's degree in AI.

1. **How will your previous education help you in the course you want to do?**

My degree in Computer Engineering provided a strong foundation in programming, software development, and machine learning frameworks like TensorFlow and PyTorch. Courses and projects during my degree taught me core concepts in AI and Computer Science, such as deep learning, object detection, and natural language processing, which align well with the curriculum of an advanced AI program.

1. **If your previous education and current course application are different, please explain why you are changing your field?**

(Not applicable, as my current educational background in Computer Engineering directly complements my intended master's focus in AI or Computer Science.)

1. **What are your goals in the long & short term?**

**Short-term**: To get admitted to a prestigious university and to excel in a master's program specializing in AI, gaining expertise in advanced machine learning techniques and their applications.

**Long-term**: To work as a machine learning engineer or AI specialist in a leading organization, contributing to cutting-edge AI solutions that address global challenges, particularly in automation and intelligent systems which will enable towards a betterment of society

1. **What values and strengths do you think you have in you to achieve those goals?**

I believe I possess the strengths of adaptability—both technically and socially—along with a strong sense of commitment, integrity, compassion, and a relentless drive to achieve my goals.

1. **Did you ever take additional responsibilities (academic, professional, personal etc.)**

**Academic under graduation:**

As a web development intern, I managed the SEO strategy for a client, significantly increasing their online visibility and traffic

**Professional:** At Maveric Systems, I worked on the frontend development of a retail banking application, ensuring enhanced user engagement and reducing usability issues

1. **Have you ever been in a leadership position?**

I served as the Competitive Programming Lead at the CODECHEF College Chapter, where I organized and managed competitive programming events. Working closely with the team, I helped plan, promote, and execute CODECHEF competitions, curating challenging problems and overseeing event logistics. I also conducted workshops and mentoring sessions to foster a competitive programming culture, guiding peers in improving their coding skills and understanding of algorithms and data structures. This role enhanced my leadership, organizational, and technical abilities while contributing to the growth of the campus programming community

1. **Mention any extracurricular activities like sports/ dance/ singing or any other artistic talent you possess.**

I participated in a district-level swimming competition, which allowed me to push my physical limits and develop discipline and focus. Apart from swimming, I am an avid chess player (Rating 912 on Chess.com), regularly engaging in games that enhance my strategic thinking and problem-solving skills. I also enjoy binge-watching documentaries across a variety of genres, as they broaden my knowledge and perspective on different cultures and topics. Reading self-awareness books is another passion of mine, as they help me grow personally and understand myself better. Additionally, I have a deep love for traveling, as it offers me the opportunity to explore new places, experience diverse cultures, and create lasting memories.

1. **What is your dream job? (name of the company to the profile you want to work)**

My aspiration is to work with a highly innovative and disruptive technology company, such as Meta, Amazon, Adobe, Netflix, Google, or Microsoft, where I can contribute to cutting-edge advancements in artificial intelligence, machine learning, and software engineering. These organizations are at the forefront of transforming industries and shaping the future through technology, offering an unparalleled opportunity to work on impactful projects that drive global innovation.

Alternatively, I am also deeply interested in pursuing a career in the Bank-Tech sector with leading institutions like Barclays, JP Morgan, or Credit Suisse. These companies are revolutionizing financial services through technological innovation, creating smarter, more secure, and efficient systems. My goal is to leverage my expertise in AI, software development, and data-driven decision-making to create transformative solutions in this dynamic and fast-paced domain.

1. **Have you ever done any social service (Mention in detail)?**

I have a deep compassion for animals, especially street animals, and have actively contributed to their well-being through my involvement with an animal rescue community. As part of this initiative, I undertook a variety of responsibilities aimed at improving the lives of these vulnerable creatures.

One of our key efforts included organizing and participating in food drives for street animals every weekend, ensuring they had access to proper nourishment. Additionally, I played an active role in rescuing animals in need of urgent medical attention, coordinating with veterinary professionals to provide them with necessary treatment.

Promoting the adoption of street animals was another significant focus, where we connected abandoned or homeless animals with caring families, giving them a chance at a better life. We also prioritized vaccination campaigns to safeguard the health of these animals and prevent the spread of diseases, thereby contributing to a safer environment for both animals and the community.

This experience not only allowed me to make a tangible difference in the lives of street animals but also strengthened my organizational, teamwork, and problem-solving skills while fueling my passion for social responsibility.

1. **Have you ever been involved in any college event, internship or extracurricular activities (Mention in detail)?**
   1. I served as a Coordinator for the technical event TECHNOBASH 2023, where I oversaw planning, execution, and management. My responsibilities included collaborating with teams to design technical activities, delegating tasks, and ensuring smooth communication. I also contributed to event promotion, managed participant registrations, and handled logistics to ensure seamless operations on the event day. This role allowed me to showcase organizational, leadership, and problem-solving skills while contributing to a successful and engaging technical platform
   2. Participated in the "Triumph of Words" daily writing challenge and achieved 1st rank, showcasing my strong writing skills and ability to consistently produce high-quality content

**FAMILY INFORMATION:**

* **Father**
* Name: Omprakash Pannalal Varma
* Occupation: Business
* Name of the company: Success Book Sellers
* **Mother**
* Name: Anuradha Omprakash Varma
* Occupation: Business
* Name of the company: Anuradha’s Store
* **Sibling (elder brother):**
* Name: Abhay Omprakash Varma
* Occupation: Job
* Name of the company: EY aka Ernst and Young

**Additional information**

**Published a Survey Paper** [**Object detection analysis based on Machine Learning Algorithms**](https://ijsrem.com/download/object-detection-analysis-based-on-machine-learning-algorithms/) **in International Journal of Scientific Research in Engineering and Management (IJSREM)**

**Participated in “Code Spark” coding contest 2020 and secured 3rd rank**

**Participated in Round 1A of Global Programming Competition: SNACKDOWN 2021 by CODECHEF**

**Participated in Roborace in Technobash event, 2020**

NOTE : **Is there anything else you would like us to add to your SOP?**

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