**Anurag Ashvinkumar Lashkare**

**Passionate software innovator eager to contribute as a software engineering intern. Enthusiastic about open-source development, quantum computing, and machine learning. Excited to gain hands-on experience, collaborate with seasoned engineers, and deliver impactful software solutions.**

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**Education**

**Pimpri Chinchwad College of Engineering and Research**

* Bachelor of Engineering in Electronics & Telecommunication (2022 – 2026)
* CGPA: 9.24

**Experience**

**Bhabha Atomic Research Centre (BARC), Mumbai**

* Worked on two projects at BARC:
  1. **Quantum Computing:** Worked on a system to detect qubit state change when a signal is transmitted to a quantum system. Utilized **NumPy**, **Matplotlib**, SCPI commands, and Tabor Electronics instruments (AWG and AWT).
  2. **Machine Learning for Astrophysics:** Contributed in building a classification model using algorithms like Random Forest to analyze data from the **MACE** telescope (Ladakh). The model predicts whether future captured data corresponds to gamma rays or external interference.
* Gained hands-on experience with **Python**, hardware-instrumentation, and scientific computing.

**Projects**

**Minimalistic Portfolio Website for Professor Vijayalaxmi Kumbhar (August 2024)**

* Designed and implemented a responsive portfolio website using **HTML** and **CSS**, enhancing user experience with clean layouts.
* Optimized code using **AI** **tools**, achieving a 40% reduction in page load time.
* Deployed the website successfully on **Netlify**: [Portfolio Link](https://vijayalaxmikumbhar.netlify.app/)

**Autonomous Human-Following and Line-Detecting Grocery Cart**

* Engineered an innovative cart using sensor-driven navigation to follow users and detect predefined paths, streamlining shopping experiences.
* Achieved seamless integration of autonomous features, reducing manual intervention by 100%.

**Skills**

* **Programming Languages:** **Java**, **Python**
* **Data Science & Machine Learning:** **NumPy**, **Matplotlib**, Random Forest, Classification Models
* **Software Development:** **Object**-**Oriented** **Programming** (**OOP**), **VS** **Code**, **Eclipse**, **Git**, **GitHub**
* **Database Management:** **MySQL**, **Database** **Systems**

**Extracurricular Achievements**

* **Received the Cummins Foundation: Nurturing Brilliance Scholarship.**
* **Actively contribute to open-source projects.** Participated in **Hacktoberfest 2K24**, where I gained hands-on experience with Git and learned real-world implementation of version control.
* **Registered a copyright** in the Autonomous Systems domain for innovative research.
* **Filed a patent** for a communication-assistive product for the deaf and mute, impacting accessibility for 10,000+ users.
* **Designed a patented automobile system** with user-centric safety enhancements.
* **Competed in a 24-hour National Level Techathon**, presenting innovative solutions under tight deadlines.
* **Participated in TechFiesta International Hackathon**, showcasing technical expertise on a global platform.