Anurag Ashvinkumar Lashkare

Passionate software innovator eager to contribute as a **software engineering intern**. Excited to gain **hands-on experience in software development**, 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: 8.45

Experience

Bhabha Atomic Research Centre (BARC), Mumbai

- Spearheading the development of a scalable PXIe-based Arbitrary Waveform Transceiver for quantum computing, aerospace, and communications. Optimized real-time FPGA streaming and advanced signal processing, delivering precision RF/IQ signal generation.

- Combined advanced Python programming and complex hardware integration, contributing to cutting-edge technology.

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 20% reduction in page load time.

- Deployed the website successfully on Netlify: https://vijayalaxmikumbhar.netlify.app

Autonomous Human-Following and Line-Detecting Grocery Cart

- Engineered an innovative cart that uses 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**

- AI Tools: ChatGPT, **automation** tools

- Problem Solving: **Data Structures and Algorithms (DSA)**

- Database Management: **MySQL**, Database Systems

- Software Development: **Object-Oriented Programming (OOP)**, VS Code, Eclipse, **Git**

Extracurricular Achievements

- Secured the Cummins India Foundation: Nurturing Brilliance **Scholarship**

- Contributed to **open-source projects** through Hacktoberfest and other developer communities, enhancing coding efficiency.

- Registered a **copyright** in the Autonomous Systems domain for innovative research.

- Filed a **patent** for a product enabling communication for the deaf and mute, impacting accessibility for 10,000+ users.

- Designed a **patent**- automobile system, introducing user-centric features for enhanced safety and functionality.

- 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.