

Vrushali A. Poojary – A Curious Mind Shaping Ideas Into Impact

I'm **Vrushali A. Poojary**, an undergraduate student pursuing a **B.E. in Artificial Intelligence and Machine Learning at Srinivas Institute of Technology, Mangalore**. I'm an enthusiastic learner who finds joy in exploring how technology can be used to simplify life, solve real-world challenges, and empower people.

From my very first interaction with programming, I was fascinated by how logic and creativity could blend to build something impactful. Over the years, that fascination has grown into a genuine passion for **AI, innovation, and human-centered problem-solving**. For me, technology isn't just about coding — it's about using imagination and empathy to create meaningful change.

My Passion for Technology and Learning

Artificial Intelligence excites me because it reflects how humans think, learn, and adapt. It allows me to experiment with new ideas and witness them come to life. I've worked on several projects that helped me explore the limitless potential of AI and software development:

- **AI Resume Analyzer:** Designed an NLP-based system using Python and FastAPI to analyze resumes and offer feedback to job seekers.
- **Multi-Feature Object Detection System:** Integrated YOLOv8 with OpenCV to detect multiple objects in real time through dynamic video and webcam feeds.
- **Medical Report Analyzer:** Created an NLP-driven app that structures medical data from unorganized text, helping healthcare professionals interpret reports faster.
- **Emergency-Wave App:** Built a Flutter-based mobile app for ambulance dispatch and real-time GPS tracking to ensure faster emergency responses.

Each of these projects taught me not just technical skills but also how to think from a user's perspective — to build solutions that truly help people.

The Thrill of Challenges

Hackathons have been some of the most inspiring chapters of my journey. They've tested my creativity, teamwork, and ability to adapt under pressure.

Winning **1st place at SRINATHON 2024** and **2nd place at SPRINTHACK 2025** were proud moments that validated my belief in innovative thinking. Being among the **Top 10 AI teams at RV College** and receiving an **invitation to Intel's Innovation Workshop in Bangalore** were turning points that strengthened my drive to keep learning and building.

For me, hackathons aren't just competitions — they're opportunities to collaborate, experiment, and bring bold ideas to life.

Creativity Beyond Code

While technology is my core strength, creativity fuels it. I love designing **clean, intuitive interfaces** that make applications not only functional but enjoyable to use. Working with **React, Flutter, and TailwindCSS** allows me to combine design with logic, ensuring a smooth experience for every user.

I also enjoy **data visualization** using tools like **Tableau** and **Power BI**, translating complex information into stories that are easy to understand. I see this balance between technical precision and creative presentation as one of my greatest strengths.

Beyond the Screen

Outside academics, I explore interests that inspire my creativity and balance my life:

- **Photography and nature walks**, which help me notice patterns, colors, and designs that later influence my projects.
- **Instrumental music**, which helps me focus and think clearly.
- **Reading about AI ethics and responsible innovation**, because I believe technology must evolve with empathy and fairness.
- **Mentoring peers**, as I find joy in helping others explore and learn about emerging technologies.

These experiences remind me that growth happens when you stay curious — both inside and outside your technical world.

My Vision for the Future

My ultimate goal is to work at the intersection of **AI, ethics, and social good**. I want to build systems that not only solve problems but also **respect privacy, promote fairness, and create real impact**.

I'm particularly interested in research on **Natural Language Processing and Responsible AI**, aiming to make intelligent systems more transparent and inclusive. I also want to explore how **AI and blockchain** can be combined to strengthen trust and security in sensitive domains like healthcare.

What Defines Me

What defines me most is my **curiosity, creativity, and compassion**. I'm someone who learns by doing — who doesn't shy away from challenges, but rather uses them as opportunities to innovate and grow.

For me, being an engineer means more than writing code. It's about solving problems that matter, creating with purpose, and contributing to a future where technology serves humanity responsibly.

If I had to summarize my journey in one line, it would be:

"Build with purpose, learn with curiosity, and grow with compassion."
