Artas Yaskar

Python & AI Developer | Electrical Engineering Student

✉ artasyaskar@gmail.com   —   ⊙ github.com/artasyaskar   —   🌐 Portfolio
📞 +92 342 6386433   —   📍 Lahore, Pakistan

Profile

Aspiring software engineer specializing in **Artificial Intelligence, computer vision, and systems programming**. Experienced in developing multilingual NLP pipelines, interactive simulation platforms, and intelligent automation tools. Recognized for combining an Electrical Engineering foundation with applied software expertise to deliver scalable, high-impact solutions.

Experience

AI Research & Development Trainee   *After Query Experts (AQE) — Remote — 2025*

- Contributed to **AI research pipelines** by solving advanced algorithmic problems to improve model training efficiency.

- Developed and enhanced **command-line automation agents**, streamlining intelligent automation workflows.

- Engineered and structured **datasets and problem-solving tasks** for applied AI research and experimentation.

- Collaborated with senior engineers on **large-scale model training**, gaining insights into production-level AI workflows.

- Built practical expertise in **data structures, algorithms, software engineering**, and collaborative AI research practices.

AI Fundamentals Learner   *Microsoft / Coursera — Remote — 2025*

- Completed the course **Preparing for AI-900: Microsoft Azure AI Fundamentals Exam**.

- Gained a strong understanding of **machine learning, computer vision, NLP, and responsible AI** within Microsoft Azure's ecosystem.

- Learned how AI technologies are applied in practical, cloud-based solutions, strengthening foundations for AI-driven projects.

- Built awareness of **ethical AI practices** and responsible innovation.

Selected Projects

- **CLI Arena Ecosystem** | GitHub Repo Cross-platform CLI simulation suite integrating Web (Next.js), Mobile (React Native), Unity, and FastAPI (ML). Benchmarked peer problem-solving efficiency, improving completion times by **30%**.

- **Bible API Summarizer** | GitHub Repo REST API built with FastAPI to generate multilingual Bible summaries. Optimized for **low-latency inference** and scalability; serving **200+ daily requests**.

- **Project.Bible AI** | GitHub Repo | Live Demo Full-stack app delivering AI-powered contextual Bible study. Features multilingual support and responsive UI.

- **Cyberwatch CLI Framework** | GitHub Repo Python security tool for log parsing and anomaly detection. Reduced manual review time by **40%** in academic tests.

- **ControlVerse** | GitHub Repo | View Demo Python + MATLAB simulation platform for control systems (run on localhost). Used in academic labs to enhance learning outcomes.

- **Handsign Detection Project** | GitHub Repo | View Demo Real-time gesture recognition using OpenCV & TensorFlow (localhost). Achieved **95%+ accuracy** on custom datasets.

- **3D Dino Game** | GitHub Repo | Live Demo WebGL endless runner with adaptive difficulty and collision detection. Reached **1k+ online plays**.

- **Portfolio Website** | GitHub Repo | Live Demo Responsive portfolio showcasing projects and GitHub repos. Attracted **500+ unique visitors**.

Technical Skills

- **Languages:** Python, Go, JavaScript, Shell, HTML/CSS, LaTeX

- **Frameworks:** FastAPI, Flask, React Native, Unity

- **Libraries:** NumPy, Pandas, OpenCV, TensorFlow, OpenAI API

- **Tools:** Git, Docker, REST APIs, VSCode, Overleaf

- **Specialization:** NLP Pipelines, Computer Vision, Simulation Systems, CLI Frameworks, DevOps Automation, Security Tools

Education

BS Electrical Engineering *Expected 2027*
University of Engineering and Technology (UET), Lahore, Pakistan
Relevant coursework: Data Structures, Algorithms, Machine Learning, Control Systems, Digital System Design

Certifications

Certificate of Experience *After Query Experts, 2025*
Awarded for contributions to AI research, algorithm design, automation workflows, and dataset engineering in applied software development.
View Certificate

AI-900: Microsoft Azure AI Fundamentals (Course) *Microsoft / Coursera, 2025*
Explored machine learning, computer vision, NLP, and responsible AI in Microsoft Azure. Gained practical insights into cloud-based AI applications and ethical AI practices.
View Certificate

Achievements

- Published and maintained **16+ GitHub repositories** across AI, DevOps, and simulation systems.

- Projects adopted in workshops and classrooms, improving learning and technical outcomes.

- Recognized for innovative contributions in AI frameworks, control system simulations, and computer vision applications.

- Built a strong professional identity through open-source collaboration and portfolio development.

Interests

Artificial Intelligence | Computer Vision | Simulation Systems | Developer Tooling | Open-Source Innovation