

MUHAMMAD SHAYAN USMAN

mshayanalwaha@gmail.com | 534 775 80 76 | github.com/SCORPIA2004 | [LinkedIn](#) | Istanbul, Türkiye

EDUCATION

Bilkent University

B.S. Computer Science / 4th Year

Ankara, Türkiye

Sept 2021 – Jan 2026

- Awarded Merit Scholarship - 60%
- Relevant Courses: **EEE 443**: Neural Networks, **CS 449**: Learning for Robotics, **CS 342**: Operating Systems

WORK EXPERIENCE

Kuika

Izmir, Türkiye

Junior AI Engineer

June 2025 – Present

- Working on **NLP-based agentic code orchestrator** with custom **MCP tools**, for users to describe and auto-build app features on the Kuika low-code platform
- Working on a no-code platform that turns **live video** streams into actionable business **insights** through easy-to-build pipelines using drag-and-drop components.
- Using **SAMv2** for segmentation, **Yolov8** for object detection, **DINOv3** for Self Supervised Learning, and **StrongSORT** for ROI tracking, **Apache Kafka** for improving data processing efficiency by 34%

DodoLabs

(Remote) Netherlands

Junior SWE Dev

June 2024 – May 2025

- Led the development of chat & email web apps for managing Airbnb clients using **React**, **Next.js**, and **Express.js**, improving user engagement by **30%**
- Automated client support using AI chatbot using **OpenAI's Assistants API**, reducing response times by **68%**

Turboard E-Kalite

Ankara, Türkiye

Junior SWE Dev

Aug 2024 – Sept 2024

- Worked on business intelligence & data analysis apps for enterprise clients using **Vue.js** and **Node.js**, improving efficiency by **20%**. Optimized **LangChain-based LLM** data pipelines, increasing data collection efficiency by **40%**

Undergraduate Researcher

Ankara, Türkiye

Bilkent University

Jan 2024 – Feb 2024

- Analysing the use of AI-generated code across GitHub repositories
- Using **Machine Learning** and **Dev2vec** algorithms to create **vector embeddings**

Neostellar

Ankara, Türkiye

SWE Team Lead

June 2023 – Sept 2023

- Led a team of 5 engineers to develop **UAV** flight control systems, using **Python**, **Navio2** autopilot cards

PROJECTS

LesionLens: ML Medical Imaging Analysis

Ankara, Türkiye

Final Year Project

June 2024 – May 2025

- Collaborating with **Hacettepe Hospital** Neurology Dept
- Developing webapp for **lesion detection** & image analysis in brain MRI using Convolutional Neural Networks (**CNN**)
- Python**, **TensorFlow**, **PyTorch**, **React**, **NodeJS** & **OpenCV**

CommitSense

Ankara, Türkiye

Application Lifecycle Course Project

Jan 2025 – Present

- Developing VS Code extension to generate commit msgs based on code diffs, using **LLMs**

Dynamic Object Throwing with Precision Constraints & RRT Path Planning

Ankara, Türkiye

Robotics Course Project

Sept 2024 – Jan 2025

- Worked with team to design a robotic throw-and-catch system using **vision-based tracking**, integrated **multi-robot coordination** for precision catching & motion planning using **RRT algorithms**.

Bilkent Campus Connect

Ankara, Türkiye

CS 319: OOP Semester project

Oct 2023 – Dec 2023

- Developed a web app to help connect students for the **CS 319** course using **MongoDB**, **ExpressJS**, **React** and **NodeJS**

ACTIVITIES & CERTIFICATIONS

[Udemy Deep Learning course w/ Tensorflow](#) Sept 2024

[Udemy Vue.js 3 course](#) Aug 2024

[Career Essentials in GenAI by Microsoft](#) June 2024

[Harvard University CS50x 2022](#) July 2022

[Google Developer Student Club](#) Sept 2022 – July 2023

SKILLS & INTERESTS

Skills: Java, C++, Python, JavaScript, React, Flutter, NextJS, NodeJS, SQL, MongoDB, Spring Boot, TensorFlow, PyTorch, Leadership, Vue, OpenCV, Restful API, UI, Linux
Languages: English (native), Turkish (professional)
Interests: Data Science, ML, Computer Vision, Neural Networks, Deep Learning