Shahjahan **Mujeeb**

Profile

Ambitious student with big dreams of creating incredible **Automata**.

Contact details

@ mujeebshahjahan@gmail.com
🐙 github.com/XantaKross
🐙 linkedin/ShahjahanMujeeb
📞 +91 7200280982

Personal information

✉ No 5, F1, Honey flats, Gandhi Street in natesan street, Anna salai, Vijaylaxmipuram, Ambattur, Chennai - 600053

DOB: **18th December 2004**

Citizenship: **India**

Languages: **English**, **Tamil**, **Hindi**, **Urdu**, **German**

Skills

- Backend (Server with Django, Flask, Http,) Database (MySQL, PostgreSQL)
- AI/Data science (Pytorch, HuggingFace LLMs Finetuning, Pandas, Sklearn, numpy)
- Robotics (ROS2 Developer, Raspberry Pi 4, Arduino Uno, ESP8266, L2986)
- Cloud (Have worked on remote AWS server)

Programming Languages

Python (5 Years Experience)

Flutter (2 Years Experience)

JavaScript (2 Years Experience)

Java/C Programming (2 Years)

Experience

- AI/ML Engineer at Sri Sairam Techno Incubation Center
  – Developed a real-time video recognition system running at 20 frames per second on CPU.
  – Completed integration of ROS2 in robotic backend and achieved autonomous movement.

Accomplishments

- Awarded 1st prize in CEG Anna University for presenting the "OxyGen With IoT" concept.
- Received 2nd prizes in SRM Ramapuram and SRM Easwari for "OxyGen with IoT".
- Achieved 2nd place in the Ideathon event at Sairam Engineering College for the "Farmer's Friendly" idea.
- Won 3rd prize in IEEE R10 robotics event 2023.

Projects

- Fine-tuned Phi2 GPTQ quantized LLM model for question answering contribution.
- Completed ROS2 integration on Telepresence Robot.
- Created Gold Bucket, an Android app (Full-Stack) for tracking expenses through bill scans and visual graphs.
- Created Arphagus JyamA, a convolution only classifier with 99.8% accuracy on MNIST dataset.
- Implemented Arphagus JyumB, a ResNet32 Convolutional Classifier achieving 75% accuracy on CIFAR-10.
- Built Arphagus Etirun, which recreated a perceptron and implemented an autogradient module from scratch.
- Developed Sanctuary, an AI personal assistant with object recognition capabilities and audio recognition features.
- Designed a simple website with Django for note-keeping functionality and reminder alerts via WhatsApp.
- Developed Tera, an autonomous WiFi controlled vehicle robot.

Education

Higher Education Computer Science Group *Velammal Vidhyashram Surapet*.   **2019–2022**
◇ Board Exams: *87.3*

Bachelor of Science in Information Technology. *Sri Sairam Institute of Technology*.   **2022–Current**
◇ CGPA: *8.73*

Additional education

Reinforcement Learning *IIT Madras*   **2023**
◇ NPTEL

Blockchain and its Applications. *IIT Kharagpur*   **2023**
◇ NPTEL