

# D FYZAN AHAMMAD

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## Education

**Jamia Millia Islamia, New Delhi**

**2020 – 2024**

*Bachelor of Technology in Electronics and Communication Engineering*

**GPA - 8.6**

**Sri Medha, Anantapur**

**2017 – 2019**

*Class 12*

**Percentage - 92%**

## Experience

**Deep Learning and Research Intern** | *Enord - AI on Edge Drone Tech Start-Up*

**Feb 2024 - Present**

- Developed and implemented various computer vision Object detection models using YOLOX and YOLOv8, consistently achieving a mean Average Precision (mAP) above 90% on diverse datasets.
- Proficiently managed AWS EC2 instances via SSH on remote Linux machines with integrated S3 bucket for seamless workflow optimization.

**Research Intern** | *DR. Zeeshan - JMI, New Delhi*

**Jan 2024 - Apr 2024**

- Researched on detecting Parkinson's disease through brain and motor analysis.
- Worked on a computer vision model for Parkinson's patients, incorporating curated exercises and physiotherapy methods for potential therapeutic application.

**Co-Founder** | *SparkIndia - B2B Ecommerce startup*

**Jan 2022 - Mar 2023**

- Played a pivotal role in designing, and developing a design prototype for SparkIndia.
- Spearheaded early-stage startup activities, including crafting pitch decks, recruiting talent, and looking for potential investors.

**Intern** | *Gurucool XYZ Pvt. Ltd*

**Feb 2022 - May 2022**

- Demonstrated an action-oriented approach by successfully resolving challenges, resulting in smoother campaign execution and improved efficiency.

## Projects

🔗 **PDF Question answering application with GenAI** | *Gemini-pro, Langchain, FAISS, Streamlit*

**May 2024**

- Engineered a PDF Question Answering Application, integrating Google Generative AI for efficient text processing and answer generation.
- Leveraged advanced language technologies like LangChain and LangChain Google GenAI for seamless text handling and conversational AI functionalities.

🔗 **Solar panel Hotspot detection using YOLOX** | *YOLOX, Roboflow, TensorRT, NVIDIA-Jetson*

**April 2024**

- Developed Solar Panel Hotspot Detection using YOLOX, enhancing efficiency in identifying potential issues.
- Implemented state-of-the-art Computer Vision techniques, leveraging YOLOX and Roboflow for accurate detection.
- Optimized model inference speed with TensorRT and deployed on NVIDIA Jetson for real-time monitoring.

🔗 **Life-Saving Signs: Real-Time Detection of Emergency Indian Sign Language** | *LSTM, Streamlit*

**March 2024**

- Engineered Real-time Indian Sign Language Detection using LSTM, improving accessibility for the hearing-impaired community.
- Integrated LSTM models for accurate sign language recognition, enhancing communication possibilities.
- Developed a user-friendly interface with Streamlit for intuitive interaction and seamless deployment.

🔗 **Multi-disease prediction using Machine learning** | *Machine learning, Pickle, Streamlit*

**Feb 2024**

- Engineered Multi-Disease Prediction System using Machine Learning, facilitating early diagnosis and treatment.
- Implemented Machine Learning algorithms and Pickle serialization for efficient model storage and deployment.
- Designed an intuitive interface with Streamlit for user-friendly disease prediction and analysis.

## Technical Skills

**Languages:** Python, C, C++, HTML/CSS, SQL

**Technologies:** Tensorflow, PyTorch, Keras, Numpy, Pandas, Matplotlib, OpenCV, YOLO, Linux, GitHub, NVIDIA-Jetson

**Coursework:** Data Structures and Algorithms, Object Oriented Programming, Computer Networks, Operating Systems, Database Management, Data Science, Artificial Intelligence, Machine Learning, Deep Learning

**Other Skills:** UI & UX Design, Figma, Canva, MS Office, Graphic Designing, Digital Marketing

## Achievements

**Piranha Tank** | *Finalists in Startup Pitching event*

**Sept 2022**

- Stood as **finalists** of Jamia's E-Cell Pirana Tank, highlighting strong presentation and entrepreneurial skills.
- Secured **incubation** space at Jamia Millia Islamia.