

Syed Sarib Naveed

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Education

- Namal University Mianwali** **Mianwali, Pakistan**
B.S. Computer Science (CGPA: 3.68/4.00) Nov 2021 – Present
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Skills

- Programming Languages:** Python, C++, Java, SQL
 - Frameworks and Libraries:** TensorFlow, PyTorch, OpenCV, Pandas, NumPy, Django, Flask, FastAPI
 - Tools and Technologies:** Git/GitHub, Docker, Linux, MySQL, Jupyter Notebook, Figma
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Experience

Generative Intelligent Systems (GeniSys) Lab **Mianwali, Pakistan**
Research Assistant Aug 2024 – Present

- Designed and optimized AI models using Python, TensorFlow, and Keras, enhancing performance, scalability, and accuracy while contributing to research advancements in Generative AI and Deep Learning.

Namal University Mianwali **Mianwali, Pakistan**
Teacher Assistant Feb 2025 – Present

- Facilitated the teaching of AI concepts through lectures and practical sessions, providing mentorship in project development to refine students' technical expertise and analytical problem-solving skills.

Bytewise Limited **Remote**
Mern Stack Fellowship Jul 2024 - Sept 2024

- Designed and deployed scalable web applications, utilizing Git for version control and integrated RESTful APIs to ensure seamless system communication and an optimized user experience.
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Projects

Intelligent Traffic Violation Detection & Reporting System (FYP) | Github Oct 2024 - Present
Building a cloud-native traffic reporting platform with AWS/Azure, MLOps, and a secure mobile-first solution using ML, Jenkins, and Kubernetes.

GESTURE-BASED SPELL RECOGNITION | Github Dec 2024
Developed a wand detection system using Random Forest and OpenCV for real-time spell recognition.

Urdu OCR Jul 2024
Created a 300,000-image Urdu dataset and used CNN-LSTM and VGG16 for character recognition.

CYBER ATTACK DETECTION ON IOMT DEVICES | Github Jun 2024
Developed deep learning models with the CIC IoMT dataset to detect cyber attacks on IoMT devices.

Django-Based Blog Web Application | Github April 2024
Developed a feature-rich web application using Django, enabling secure user authentication, file management, social file sharing, and profile customization.

Awards

Runner-up at PSIFI HACK XVI AI Nexus competition at LUMS, out of various teams from across Pakistan.
Spades LUMS Dec 2024

Ranked among top 20 positions in AJK Board Intermediate Examinations.
AJK Board Sep 2021