



# POSITIONS AVAILABLE

Genesys Lab at FAST-NUCES Islamabad is inviting applications for the post of a Research Associate, Research Assistants, Web and Mobile developers for a period of 01-year (extendable based on performance) for the research project No. CPEC-288 titled “**CPEC Transportation Environment Monitoring System**” funded by the HEC under CPEC Fund. We are seeking motivated and dedicated individuals with expertise in Smart Systems (IoT) and Machine Learning/Deep Learning.

## RESEARCH ASSOCIATE

### (1 POSITION, ON SITE, FULL TIME)

- Experienced in conducting literature reviews and synthesizing research into practical solutions.
- Proficient in data analysis tools and machine learning algorithms for classification and analysis.
- Skilled in analyzing large datasets to identify patterns, using statistical methods for validation and accuracy assessment.
- Excellent written and verbal communication skills for reporting and explaining technical concepts to non-technical stakeholders.
- Strong organizational skills, able to manage multiple tasks, and experienced in collaborative multidisciplinary teamwork.

**Remuneration:** 130k/month (min)  
**Qualification:** Fresh PhD from HEC recognized university

## RESEARCH ASSISTANT

### (1 POSITION, ON SITE, FULL TIME)

- Experience in Machine Learning, Deep Learning and Computer Vision/Image Processing
- Familiarity with commonly used vision libraries i.e. OpenCV, TensorFlow, Keras,
- Familiarity with Raspberry Pi and Arduino, Lidar and IMU sensors.
- Experience in handling large-scale image data in various annotation formats
- Expertise in machine/deep learning architectures
- Strong technical, analytical, and problem-solving skills
- Strong programming skills in Python
- Excellent communication and writing skills
- Good office paperwork skills

**Remuneration:** 100k/month  
**Qualification:** BS/MS/MPhil in relevant field from a HEC recognized university

## WEB DEVELOPER

### (1 POSITION, ON SITE, FULL TIME)

- Design, develop, and maintain both the front-end and back-end components of web applications.
- Collaborate with cross-functional teams to define, design, and ship new features.
- Optimize applications for maximum speed and scalability.
- Ensure the technical feasibility of UI/UX designs.
- Write clean, maintainable, and efficient code for both client-side and server-side applications.
- Implement security and data protection measures.
- Troubleshoot, debug, and upgrade software.

**Remuneration:** 100k/month  
**Qualification:** BS/MS/MPhil in relevant field from a HEC recognized university

## MOBILE DEVELOPER

### (1 POSITION, ON SITE, FULL TIME)

- Design and build advanced applications for mobile platforms (iOS and/or Android).
- Collaborate with cross-functional teams to define, design, and ship new features.
- Work on bug fixing and improving application performance.
- Ensure the best possible performance, quality, and responsiveness of the application.
- Identify and correct bottlenecks and fix bugs.
- Write clean, maintainable, and efficient code.

**Remuneration:** 100k/month  
**Qualification:** BS/MS/MPhil in relevant field from a HEC recognized university

## Instructions:

- Please apply by filling in the google form at <https://forms.gle/XjLyXvUY5aD1G9mh8>
- Last date to apply: **5th August, 2024.**
- Only short-listed candidates will be called for an interview.
- Remunerations will be based on profile.

**SEND YOUR QUERIES**  
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