



Contact Information

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Achievements

- **PROJECTS** [MS Thesis: (Python language) Simulation, Design and implementation of Channel identification through Machine learning in CDMA2000 network, and of pattern recognition algorithm for CDMA2000 transceiver]
- An Efficient Contention Free Medium Access Control Protocol for Adaptive Data Requirement in Smart Cities.
- Firewall development Python programming, develop online game using java scrip and react js.
- Contributed to a customer website that won a 2016 Shopify Ecommerce Design Award, as an entrepreneur.
- NESCOM's Signal Processing funded project of CDMA2000 Active Channel Identification.
- Masters level fully awarded scholarship fellowship for two years.

Research publication

RESEARCH PAPER | 2024

- "An Improved Approximations of Chi-Square Distribution for Energy Detector Analysis in Spectrum Sensing for CDMA Networks System (MDPI), 2024.(submitted)
- An Efficient Contention Free Medium Access Control Protocol for Adaptive Data Requirement in Smart Cities.(in process)
- Implementation of Channel Identification Technique for CDMA2000 Networks. MDPI 2024.(to be submitted)

Muhammad Abrar

MS(Computer Engineer)

BS(Computer Science)

Introduction

As a computer engineer I have practice innovative engineering qualities, highly motivated, and energetic for work, searching for a post to prove myself. Strong background in project management and patron relations. Also have Team leading, Project management experience desparate to work as scientific researcher.

Work Experience

Lecturer of Software Engineering:(2024-Present)

Federal Urdu University SE department Islamabad.

Freelancer work:

Start work for online company as a web developing.

Subject Instructor: (2020-2021)

Al-Farabi College Islamabad.

Web developer: (2022-2023)

Webico software house Islamabad

≡ Create official website pages.

≡ Front end web developer

INTERNSHIP STATUS

- Network Engineer | PTCL Islamabad, Pakistan.
- Signal processing Research Engineer | NESCOM Islamabad, Pakistan.

Skills

Professional software's and platforms related

- | | | |
|------------------------|-------------------|----------------------|
| ≡ Visual studio | ≡ Python, C++, | ≡ Adobe Illustrator, |
| ≡ Java script | ≡ Boot strap | ≡ Adobe photoshop |
| ≡ MATLAB | ≡ HTML,CSS and | ≡ cross-browser |
| ≡ CISCO packet tracer | ≡ cross-browser | ≡ compatible code |
| ≡ Python | ≡ compatible code | ≡ Eclipse |
| ≡ programming | ≡ React js | |
| ≡ libraries is PyTorch | | |
| ≡ and Keras. | | |

Education

Bachelor of Computer Science(BS)
Federal Urdu University of science
and technology, Pakistan.
2016-2020

Master of computer Engineering (MS)
COMSATS University of science
and technology, Pakistan.
2022- 2024

Languages

English, Urdu.