Muhammad Bilal Khan
Curriculum Vitae

"Good hands on Time Series Analysis. Know the way, in and out through a Linux system. Worked on Data Science, Web Dev and Neural Networks. Software Engineering and Information System Security are a keen area of interest. I like Scripting, both Web and OS based, try to automate any task I can. Always breaking and repairing my Linux. Love for Open Source and GitHub/Git Bash"

EDUCATION

2016-PRESENT — **Bachelors in Science BSc** $_{8th Semester}$
Computer Science
National University of Computer & Emerging Sciences

2016 — **Faculty of Science FSc**
Pre-Engineering
DJ Sindh Govt. Science College

NOTABLE PROJECTS

CURRENT, FROM DECEMBER 2019

ATM Cash Prediction Using Time Series Approach
Final Year Project

As a part of this, a research paper has also been published in IEEE Computer Society Journal which can be accessed here. Python notebooks implemented on real time ATM transactions to predict future withdrawals. Website developed in *Django* and *Vue.js* with *Plotly Dash* dashboards.

MAY 2019

Sarcasm Detection Application
Artificial Intelligence

This project involved semantic analysis on English sentences using Support Vector Machines and Natural Language Processing. Fully coded in Python with the front-end achieved through wx-Python.

MAY 2019

News Headline Clustering
Information Retrieval

Following a research paper using K-Means and words of graph; similar news headlines were clustered together based on the basis of their matching title.

CURRENT, FROM SEPTEMBER 2018

CPT Website
WordPress website

Centre for Professional Training CPT is an initiative at FAST University to offer short courses on student development. Tasked with the official website, I used WordPress 5.1 to achieve completion within a few days. Website is live and can be viewed at http://cpt.khi.nu.edu.pk/

ELECTIVES

Business Communication	Information Retrieval
Arabic Language	Fund. of Probabilistic Programming
Communication for Managers	Computing Methods
Research Methods	Deep Learning for Perception
Data Science	Blockchain and Cryptocurrency

MY VIRTUAL FORMS

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+92 332 825 5196
bilal.khan2998@gmail.com
https://www.linkedin.com/in/bilalkhan29
https://github.com/Bill-Klay
/Muhammad-Bilal-Khan-24

VOLUNTEERING & AWARDS

SEPT 2017 - SEPT 2019	**The Literary Club** *Head of the Public Speaking Club* *Hosted multiple events* *Videographer* *Content Writer*
SEPT 2018 - SEPT 2019	**The Web Masters** *Co-Head Back-end development*
AUG 2018 - AUG 2019	**Mukhlis Fertigo** *Head IT Team* *Web Developer*
JUN 2017 - AUG 2017	**Behbud Association** *Computer Science Intern*

COMPUTER SCIENCE SKILLS

SCIENTIFIC COMPUTING	PyTorch, Julia
SCRIPTING	HTML, CSS, Django, Vue.js, Bash, Bootstrap, LaTeX PHP
PROGRAMMING	Python, Java, C# C++, C, Flask, RESTful API, Docker
DATABASE & QUERYING	MySQL, Oracle, MongoDB PostgreSQL, Workbench
SYSTEM SECURITY	Parrot Security OS
DESIGNING AND EDITING	Photoshop, GIMP, Filmora, KDenlive
GAME PROGRAMMING	Unity Game Engine

COMPETITIONS

COMPUTER SCIENCE	Speed Coding Database Design Speed Debugging Web Hunt
SPEAKING/DECLAMATION	National Cabinets The Grand Debate Agha Hassan Abedi

SKILLS

Dedicated Volunteer

Looking for an opportunity to volunteer. Never say 'no' to anyone and always give back.

Captivated & Productive

Among a huge list of skills FAST has taught me is to be always doing something and be able to say "Yea! I did that".