

KAINAT ALTAF



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OBJECTIVE

Seek career in Electrical Engineering and
Research

TECHNICAL TOOLS

Android Studio	Visual Studio
Corona SDK	Genie
Ubuntu	Packet Tracer
Proteus	MATLAB
KEIL	LabView
MS Office	MySQL
MS SQL	Eclipse

LANGUAGES

C	JAVA
MYSQL	C#
LUA	XML
HTML/CSS	C++
JSON	Assembly

AFFILIATIONS

- The Institution of Engineering and Technology, IET
- IEEE Computer Society
- IEEE Engineering in Medicine and Biology Society
- IEEE Industry Applications Society
- Guidelines International Network (G-I-N)

EDUCATION

BSc. Electrical Engineering	CGPA: 3.154/4
University of Engineering and Technology, Lahore	2014 – 2018
F.Sc. Pre-Engineering	90.64%
Punjab Group of Colleges, Lahore	2012 – 2014
Matriculation	90%
Government Pilot School for Girls, Lahore	2010 – 2012

EXPERIENCE

Research Associate	June 2018 – Present
Biomedical Informatics Research Laboratory (BIRL), LUMS	
<ul style="list-style-type: none">▪ Hands on ASP.NET core, HTML/CSS and JavaScript▪ Practical knowledge of MVC and MSSQL	
Research Intern	Feb 2017 – May 2018
Biomedical Informatics Research Laboratory (BIRL), LUMS	
<ul style="list-style-type: none">▪ Diagnosis of Diabetes with Machine learning tools (SVM, ANN and deep learning)▪ Restful Webservice in Java to train Bayesian Networks▪ Android Application Development▪ Incorporating Text to Speech System for users▪ WPF Application to convert guidelines into JSON▪ Health Record Api using ASP.NET core for storing and retrieving records of the patient	
Game Developer	July 2017 – Oct 2018
UET Game Studio KICS, Pakistan	
<ul style="list-style-type: none">▪ Development of mobile games using cross-platform Corona▪ Creation and management of scenes using Composer library in LUA	

PROJECTS

HealthNext

Team Lead of Patient-centric scientific wellness backbone for next-generation national health-care in Pakistan (Final Year Project).

Happiness Score Classification using Raw Data

Data classification using Artificial Neural Network and Naïve Bayes algorithm. Worked on Feature extraction techniques.

HOBBIES

Reading	Music
Socializing	Travelling

INTERESTS

- Machine Learning
- Cybersecurity
- Bioinformatics
- Application Development

Self-balancing Robot using STM32F4

Controlled the speed and direction of DC motor through the timers, accelerometer and gyroscope, Tuning of response by PID controller.

Heart Rate Counter

A microcontroller-based automatic heartrate counting system from fingertip.

HONORS & ACHIEVEMENTS

- **Student Ambassador** of IEEEExtreme
- **Chief Finance Officer** of IET UET Chapter (2017-2018)
- **Head of Women Network** IET UET Chapter (2016-2017)
- Microsoft Office **Specialist**
- **Won** National Grassroots ICT Research Initiative Funding
- Secured **2nd position** in DICE-Information & Enabling Technology Innovation, **\$500**
- Won **USA Travel Grant** for presenting IEEE humanitarian project
- Received **full merit-based** Academic Scholarship from HEC

ORGANIZATIONAL SKILLS

- **Organized** MATLAB workshop, IETEC'16, Present Around the World Competition, Freelancing Workshop in **IET UET Chapter**
- **Organized** Line Following Robot Competition by **IEEE UET**
- **Headed** TIPS (Technological Innovations & Problem Solving) competition in UET Tech Week'17 and UET Open Day