

Contact Info

Ali Kiyan

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**First year:** Object Oriented programming (C++), Networking fundamentals, Statistics

**Second year:** Advanced object oriented programming, Discrete Mathematics, Assembly language, Data structure, Designing Logical circuit

**Third year:** Computer Architecture, Designing Algorithms, Automata theory, Storage and retrieval of data, Microprocessors (AT mega family), Operation system (Kernel, Scheduling, Concurrency control, Paging)

Artificial Intelligence

**Forth Year:** Database Design (Database design, SQL ), Compiler Design, Network Designing (OSI, TCP/IP), Multimedia Concepts, Software engineering concepts (Designing UML, ER, LDM Diagrams),Computer Graphics concepts (OpenGL library)

Profile

A full stack web engineer with main focus on LAMP stack and Javascript in the back-end and front-end. Closely worked the CTO and AI development team at a startup in Harwell Campus, a science and technology hub in Oxford, working on various projects such as Wildlife Conservation, health and safety, property protection, etc.

* **Need Tier 2 Sponsorship to work in the UK.**
* **References available upon request.**

Work Experience

2018-2019

**Attained 90.0%**

**Attained 79.4%**

**Attained 77.0%**

2017-2018

**Attained 83.5%**

**MSc Databases and Web-based Systems (*Distinction)***, *The University of Salford.*

Modules:

* *Advanced Database : SQL, Concurrency control, Distributed Database,*

*Temporal Databases, NoSQL ( MongoDB )*

* *Semantic Web & Information Extraction :*

*XML, RDF, RDFA, SPARQL, OCR*

* *Applied Statistics & Data Mining :*

Machine Learning, Text Mining, *R, SAS*

* *Web-Based Software Development*

*( ASP.NET 4.5 and C#, MVC PHP, Mysql)*

**Bachelor of Computer Engineering**, *Azad University of Tehran*

2012-2016

**Full stack web engineer** Archangel Imaging, Oxford

Designed and implemented Databases and multiple user interfaces using mainstream front-end technologies for multiple projects.

Closely Worked with the CTO and AI and machine vision team to provide a unified platform for end users to interact.

*Used* various technologies such as Python, NodeJS, different message broker, Redis, ELK stack and Docker for containerising multiple services.

Education

**Attained 83.05% ( 16.61 out of 20 )**

2008-2011

**Diploma of Mathematics and Physics**, Parsayan High school

**GPA: 18.95 out of 20 (94.75%)**

Technical Skills

**Vice-Chancellor’s Excellence Scholarship, University of Salford**

**Masters Degree with Distinction, University of Salford**

Awards

* Knowledge of Object Oriented, Procedural, and Functional Programming and familiarity with Design patterns and Design Principles such as MVC and SOLID
* Advanced Javascript concepts (ES6+)
* Working Knowledge of Docker (operating-system-level virtualisation)
* Designed database schema for multiple projects and knowledge of diagrams (UML, ER, LDM)
* Built and maintained containerised microservices with Python and NodeJS using Docker.
* Advance knowledge of SQL and working with SQL Server database, its language T-SQL and Mysql
* Knowledge of NoSQL databases such MongoDB and Firebase
* Knowledge of HTML5 ,CSS3, and UI frameworks such as Bootstrap and familiarity with Responsive design
* Knowledge of PHP (Object Oriented and Procedural, PSRs, and composer)
* Handled logs from multiple resources using Elasticsearch, Logstash, Kibana
* Worked with MQTT protocol to manage IoT sensors.
* Familiarity with Python
* Familiarity with C++
* Comfortable working with Terminal on \*nix environment
* Knowledge of NodeJS and ExpressJS
* Used third party libraries (when it is needed) using pip, npm, composer.
* Working Knowledge of version controlling with Git and Git Hub/Lab platform.
* Familiarity with RESTful APIs, AJAX and web sockets.
* Familiar with web security concerns such as XSS, SQL injection and CSRF.
* Familiarity with Agile and Scrum methodologies (Clubhouse project management platform)

Projects

* jobWizard

PHP MVC, MySQL, Mapbox, Chart.js, GSAP, CURL. <https://job-wizard.herokuapp.com>

* TravelMate

PHP MVC, MySql Database <https://travel--mate.herokuapp.com>

* LaraMedia

It is based on Laravel framework https://laramedia.herokuapp.com

* Green Environment version 1.0

AngularJS (version 1) Firebase Web App <https://geapp.firebaseapp.com>

* CampJS

Express App with nodeJS on the <https://campjs.herokuapp.com>

server and MongoDB (NoSQL)