

**Yousef Fahad Alghamdi**  
Email: y.alghamdi@tvtc.gov.sa  
Phone: 0508037373 (Cell)

---

**Work Experience:**

<b>Abha College of Technology,</b> Abha, Saudi Arabia	Assistant Professor	August 2016– Current
--	---------------------	----------------------

- Teaching multiple software engineering classes,
- Including but not limited to (Computer programming, Database Administration, User interface design, Information Security)

<b>Gold Coast IT Solutions,</b> Tysons, VA	Technical Engineer I	August 2014 – March 2016
---	----------------------	--------------------------

- Implemented MVC architecture using Spring MVC Framework.
- Performed validations by using Restful Web Services with JAX-RS.
- Used AngularJS to develop the UI to make it a Single-Page application.
- Developed various components of the application and unit test them.
- Coordinated with other team members and followed Agile Methodology.
- Designed the front-end using HTML5, CSS3, Bootstrap, and CSS.
- Used SVN for managing the code and source control.

<b>North Carolina A&amp;T,</b> Greensboro, NC	Graduate Teaching Assistant	August 2014 – December 2014
--	-----------------------------	-----------------------------

- Helped the professor with teaching the lab, grading assignments and homeworks.
- Interacted with faculty members to prove continued development of good interpersonal skills.

---

**Education:**

<b>Kansas State University,</b> Manhattan, KS Doctor of Philosophy, Computer Science	December 2023
---	---------------

<b>North Carolina Agricultural and Technical University,</b> Greensboro, NC Master of Science, Information Technology	December 2015
--	---------------

<b>King AbdulAziz University,</b> Jeddah, Saudi Arabia Bachelor of Science, Information Technology	June 2012
---	-----------

---

**Selected Publications:**

- Alghamdi, Yousef. *Lightweight Image Encryption Algorithms: Design and Evaluation*. Diss. Kansas State University, 2023.
- Alghamdi, Yousef, and Arslan Munir. "An image encryption algorithm based on trivium cipher and random substitution." *SN Computer Science* 4.6 (2023): 713.
- Alghamdi, Yousef, Arslan Munir, and Jawad Ahmad. "A lightweight image encryption algorithm based on chaotic map and random substitution." *Entropy* 24.10 (2022): 1344.
- Alghamdi, Yousef, Arslan Munir, and Hung Manh La. "Architecture, classification, and applications of contemporary unmanned aerial vehicles." *IEEE Consumer Electronics Magazine* 10.6 (2021): 9-20.

**Courses and Training:**

---

- Corporate creativity and innovation.
- Training of trainers.
- A+ Advanced computer maintenance.
- Android apps development.
- Cloud computing.
- Adobe CC professional designer.
- Programming using PL/SQL.

**Activities and Honors:**

---

- Secretary to the department's scientific committee.
- Member of the scientific committee (night bachelor's program).
- Supervising graduation projects for the software students (night bachelor's program).
- Member of the graduation projects discussion committee for the software bachelor's program.
- Member of the committee for revising the plans and references for the bachelor's program.
- graduating the first class of the multimedia program.
- Designing and publishing the first issue of the department magazine (8bits).
- filming and directing a promo to show case the department's achievements.
- Supervising the sports committee.