

# YAZEED ELDIGAIR

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## PROFESSIONAL SUMMARY

Adaptable full-stack web developer with hands-on experience in using frontend and backend skills such as HTML, CSS, JavaScript, React, Node, REST APIs etc. In-depth knowledge of web architecture, data structures & algorithms, development techniques, object oriented design (OOP), and agile methodologies.

## EXPERIENCE

### Tasweiq LIMITED

Software Engineer

Abu Dhabi, UAE

September 2021 - March 2022

- Transformed UI design of MVP using React.js by developing 15 testable and reusable components
- Collaborated with agile team of 4, and prioritized features to ensure biggest impact features were worked on first
- Slashed time of repetitive tasks 70% by developing algorithms in JavaScript and Python for automating them
- Built RESTful APIs using Node to handle JavaScript front-end and store data efficiently in a MySQL database
- Boosted speed of UI design in Figma 20% by organizing, and spearheading daily reviews of the progress

### Tasweiq LIMITED

Software Architect

Abu Dhabi, UAE

June 2021 - September 2021

- Revamped existing entity-relationship diagrams of back-end databases enhancing flexibility by 50%
- Expanded the main databases by 250% and exported the data after cleaning it from Excel to MySQL

## EDUCATION

### Abu Dhabi University

BSc with Honours in Computer Engineering

Abu Dhabi, UAE

June 2021

## SKILLS

Technologies: HTML5, CSS3, JavaScript, TypeScript, Python, Java, React, jQuery, Node, Express, PostgreSQL, MySQL, RESTful APIs, Chrome Development, Git/Github, MATLAB, Linux

## PROJECTS

### Face Detection Web App | WEBSITE | GITHUB

Full-stack single-page application that utilizes machine learning to detect faces in images. Built frontend with React, backend with Node & Express. REST API handles JavaScript front-end. Deployed on Heroku server.

### Reacher - AI Based Teacher Assistant Robot | PUBLICATION | PRESENTATION

A robot that mimics the tasks of a teacher's assistant in a contactless manner. Used ROS, SLAM, Python's Porcupine Engine, Google's Dialogflow for NLP, WebSockets API, CNN, LSTMs, recommendation system etc.

### COVID-19 Social Distance Monitoring System | RESEARCH PAPER | GITHUB

MATLAB-based computer vision system that takes pedestrian surveillance footage and maps it to a bird's eye view of the scene with social distance violators flagged using an adaptive background modelling technique.

### LinkedIn Profile Scraper | GITHUB

A Google Chrome extension that extracts information from LinkedIn profiles to an Excel document. Built with VanillaJS and integrated with a local Node server that uses SheetJS for exporting the data.

## ACHIEVEMENTS & AWARDS

### UAE Golden Visa Holder

Issued by the UAE government

Granted a 10-year residency visa for outstanding academic talent and project involvement

March 2022

### IT & Computer Engineering Undergraduate Research Competition 2020

Abu Dhabi University (ADU)

Won first place in project competition that spanned the entire GCC & MENA regions

June 2021

### EGA's Industrial Robots Competition 2020

Emirates Global Aluminium (EGA)

Won fourth place by building an industrial autonomous AI drone

April 2021

### NASA Space Apps in Abu Dhabi 2020

UAE Astropreneur Team, Abu Dhabi Space Apps

Won first place in local NASA Space Apps team-based hackathon

April 2020