

ويپار واسطے تمھيدات بليغہ



مؤمنين اسرياء پر واجب چھے كرسگلا پوتا نا ويپار واسطے تمھيدات بليغہ نرمان
نا تقاضه پرمانيه كرهے۔ جبر تجارة يرسگلا ني بردباري پر دلالة كرهے، تجارة
جمعيات اشتراكية ني شاكلة سي كرهے، Individual تو كرهے مگر سگلا جمع
(الداعي الاجل سيدنا محمد برهان الدين رضيم)
(خطبة جليله ۱۳۸۸ھ)



تھي نر تجارة كرهے۔

CAN ARTIFICIAL INTELLIGENCE END CAR CRASHES?

Artificial Intelligence is revolutionizing road safety by preventing accidents through technologies such as Collision Detection; Lane Departure Warnings and Adaptive Cruise Control.

Collision Detection is one of the most important AI safety features. It uses a combination of sensors, cameras, and AI algorithms to monitor the vehicle's surroundings in real time. Modern cars are equipped with a variety of sensors, such as radar and LiDAR, which constantly scan the area around the vehicle. In-vehicle cameras capture images and video footage of the road, helping the AI system identify potential obstacles and then algorithms process the data collected from the sensors and cameras to detect objects, analyse their speed and trajectory, and assess the risk of a collision. If the system detects an impending collision, it can take actions such as sounding an alert, tightening the seatbelts, or even stopping the car if necessary.



Lane Departure Warning Systems - How does this work? In-vehicle cameras monitor the road's lane markings. AI technology analyses the camera's data to determine the vehicle's position within the lane. If it detects that the vehicle is drifting out of its lane without using its indicator, it alerts the driver through visual or audible warnings. This system is effective in preventing accidents caused by drowsy or distracted driving, keeping the vehicle in the correct lane and reducing the risk of collisions.

Adaptive Cruise Control automatically adjusts the vehicle's speed to maintain a safe following distance from the car in front. Sensors such as radar and LiDAR are used to monitor the distance to the vehicle ahead. AI processes the sensor data and determines the appropriate speed to maintain a safe following distance.

Apart from the three main features, that are found in modern day vehicles, there are some other AI feature such as **Traffic sign recognition** that uses a camera to capture road signs and show them ... *contd. page 2*



Of earthly pleasures in humble submission
Seeking forgiveness, seeking redemption

on the instrument cluster or head-up display. It's useful for showing the correct speed limit and one-way signs or no-entry signs. Another feature is **Driver attention alert** tracks you as a driver and can warn you if it senses a lack of concentration. Some systems can also sense if you take your eyes off the road. Last but not the least **Rear-cross traffic** alert works when you're reversing and will warn you if there's something in the way, and may even brake the car if needed.

All the above are features, that are vehicle centric, which analysis situations around the vehicle. However, there is another dimension that is equally important and used by some countries like Germany, Japan and China.

This is called **Predictive Analytics Approach**, wherein algorithms analyse historical accident data, weather conditions, road infrastructure and traffic patterns, to predict high-risk areas and times of accidents. This information can be used to deploy preventive measures such as increased policing, road maintenances, etc.

In addition, AI algorithms can be used to analyse road infrastructure data to identify potential hazards such as potholes, sharp curves, or inadequate lighting, hence prioritising maintenance and design safer roads to reduce the high number of accidents experienced today.

Last but not the least, AI algorithms can be used to asses driving behavior and other relevant data, to determine good drivers, and reward them accordingly, at the time of their license renewal.

A WORLD OF OPPORTUNITY AWAITS YOU AT AL-FAZAL

'If you want to go fast, go alone. If you want to go far, go together.'

As the African saying goes, walking the investment journey in a fraternity pays higher dividends than doing it yourself. From diversification to shared insights, the collective intelligence of a group can take your investment strategy to new heights.

With the above principle in mind, Al-Fazal, - an Investment Firm - is formed with the mission to make the community wealthier by helping entrepreneurs build great companies that improve the way, we live, work and play.

Our Board, constitute of visionary entrepreneurs who are at the helm of the affairs, fueling the development of prospective companies that will drive the regional Bohra innovation. Some of them are business leaders from different industries bringing with them tremendous sector insight and deep networks.

Al-Fazal's planned investment strategy spans all stages of a project's growth, from seeding innovations in emerging markets to funding early-stage companies in high-growth markets to fueling the growth of market leaders. We invite businessmen at any stage of growth to partner with us. We can add value and offer expert guidance throughout your company's lifecycle, be it at inception, or at an advanced stage, to be a viable reality.

We have the means, now it is for YOU to make things happen!!!

KENYAN FISCAL HIGHLIGHTS

Mombasa port grows by 12% in 2023, indicating growth in economic activity in the region. Apart from Kenya it handles cargo to and from Uganda, Burundi, Rwanda, South-Sudan, the eastern DRC and Somalia. The port handled 1.6 million 20ft equivalent container units in 2023, up from 1.45 million in 2022.



Kenya will allow private firms that enter the electricity distribution market to import power from neighboring countries, putting pressure on power producers and spark competition with Kenya Power and boost service delivery to customers. Currently, only Kenya Power is allowed to sign electricity import agreements with foreign electricity producers and has deals with Ethiopia Electric Power and the Uganda Electricity Transmission Company.

17% increase in new start-up investments in Kenya toppling Nigeria and Egypt. In 2023, 62 Kenyan start-ups raised \$674 million from local and international investors. Most of the funding went into energy start-ups, with off-grid solar pay-as-you-go firms. 16 of the companies were FinTech's, 9 were e-commerce business, 7 Agri-tech and 5 were in health-tech and logistics technology.

NEXT-DOOR NEWSFLASH

Ethiopian Airlines has unveiled plans to initiate the **construction of Africa's largest airport**, a monumental project estimated to cost USD 7.8 billion. This ambitious endeavor marks a significant milestone for the national carrier as it ventures into the realm of infrastructure development.



As country's broader plan to open up the economy and attract investors, Ethiopia aims to pass **legislation to let foreigners own real estate**. Currently, foreigners are barred from owning Residential or Commercial properties.

China is seeking to cement its position as the leading source of investment in Tanzania, with at least 60 Chinese firms lined up for a fact-finding mission to the country.



By 2022, it had accounted for 1,098 investment projects worth \$9.6bn. Some 131,718 jobs have been created through the projects. China is followed by UK and US in that order.

JOB OPPORTUNITY!

Accounts / Admin. Assistant

Requirements:

- Min 5 years, experience in a similar position
- Good understanding of Office Admin, and book-keeping practice
- Good written & verbal communication skills
- Multi-tasking abilities
- Sound knowledge of MS Office programs

Interested applicants should email their CV to: ceo@alfazal.co.ke
or **Whatsapp on +255 783 232 131**

DISCLAIMER

Opinions and views expressed herein, are independent opinion of the authors, and the Publisher is not responsible for the content and accuracy of the information, and shall not be responsible for any decisions made based on such opinions and views.

The content of this message is confidential. If you have received it by mistake, please inform us by an email reply and then delete the message. It is forbidden to copy, forward, or in any way reveal the contents of this message to anyone. The integrity and security of this email cannot be guaranteed over the Internet. Therefore, the sender will not be held liable for any damage caused by the message.

CONTACT

The CEO
 Al-Fazal Saifiyah Limited
 6th-floor, Epic Business Park
 Mombasa
 +254 782 772343
 +255 783 232131 – WhatsApp
www.alfazal.co.ke
ceo@alfazal.co.ke

