

information encryption. Other encryption algorithms can also utilized, and new ones can also developed. For instance, it is possible to use a special encryption algorithm developed in Azerbaijan to encrypt audio information [2]. Thus, the security and privacy of audio files can ensured by using the encryption algorithms explained above. This research aims to provide the privacy of audio communication over the Internet and contribute to the progression of this technology.

### References

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## ARTIFICIAL INTELLIGENCE FOR TRAFFIC DATA ANALYSIS

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In the contemporary era, there exists a widespread acknowledgment regarding the transformative potential of Artificial Intelligence (AI) development in augmenting the operational efficacy across diverse sectors, notably encompassing the transportation domain [1]. The burgeoning significance of Artificial Intelligence in the realm of traffic data analysis is attributable to its adeptness in processing vast datasets, discerning patterns, and prognosticating future trends.

The utilization of AI in traffic data analysis spans several domains, including Traffic Flow Prediction, Anomaly Detection, Traffic Signal Optimization, Traffic Pattern Analysis, Route Optimization, Traffic Incident Management, and Intelligent Transportation Systems (ITS).

The integration of AI methodologies in traffic data analysis portends significant advancements in transportation systems, fostering heightened levels of safety, efficiency, and sustainability. Through the judicious harnessing of AI capabilities, transportation authority's stand poised to undertake data-driven decision-making processes, optimize resource allocation, and enhance the overall mobility experience for commuters.

### References

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