Table 5: Performance of proposed vs similar deep fake detection systems

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Methods** | Decentralized Structure | Data Integrity | Security | Separated Storage | Transparency | Data Sustainability |
| Proposed CDSAE-DNN | 🗸 | 🗸 | 🗸 | 🗸 | 🗸 | 🗸 |
| ResNet | 🗸 | 🗸 | 🗸 | $$×$$ | 🗸 | 🗸 |
| MobileNet | 🗸 | 🗸 | 🗸 | 🗸 | 🗸 | $$×$$ |
| SVM | 🗸 | $$×$$ | 🗸 | 🗸 | 🗸 | $$×$$ |