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| S.No | Application | Application domain | Complex problem identified | Justification |
| 1 | Autonomous vehicles | Transportation | Sensor fusion, decision -making | Improved safety, reduce accidents, increased mobility for disabled |
| 2 | Facial recognising systems | Security and surveillance | Face detection, feature extraction under different poses and lights | Improved security and identity verification , enhanced user experience |
| 3 | CT Scanners | Diagnostic imaging | X-ray physics ,image reconstruction | Accurate imaging for medical purposes , minimizes radiation exposure |