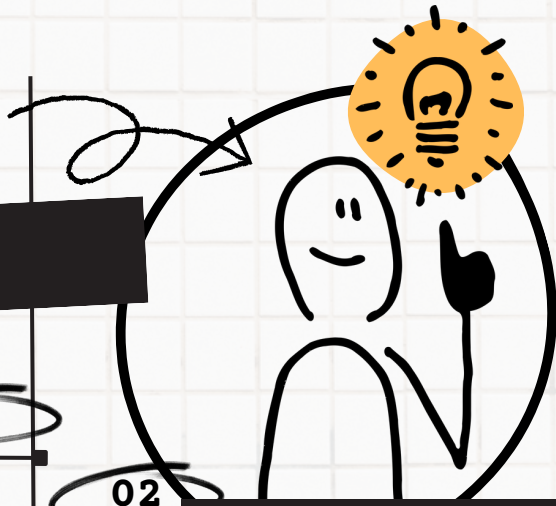


Applied AI

POLICE

07.21



01 WHY AI?

- Crime prediction and prevention
- Efficient resource allocation
- Enhanced investigative capabilities
- Real-time public safety monitoring
- AI-driven administrative efficiency

02 INDUSTRY

- Crime Detection and Prevention
- Emergency Response
- Law Enforcement Operations
- Community Policing
- Criminal Investigation and Forensics

03 STRATEGIC TRENDS

- Predictive policing using AI
- Facial recognition technology
- AI in crime pattern analysis
- Drone surveillance for public safety
- Machine learning in forensic analysis
- AI-driven emergency dispatch systems
- Data analytics in community policing
- AI for traffic monitoring and management
- Real-time crime reporting and response
- AI ethics and bias prevention in law enforcement

04 WHY CHANGE?

- Proactive crime prevention
- Efficient law enforcement
- Enhanced public safety
- Data-driven policing strategies
- Community trust and relations

05 LEADING COMPANIES

- NYPD (New York Police Department)
- LAPD (Los Angeles Police Department)
- London Metropolitan Police
- Tokyo Metropolitan Police Department
- Royal Canadian Mounted Police

06 ENABLING TECHNOLOGIES

- AI algorithms for predictive crime mapping
- Automated facial recognition systems
- Robotics in patrol and surveillance
- Machine learning for evidence analysis
- AI chatbots for public inquiries
- Predictive analytics in traffic control
- AI in criminal background checks
- Data-driven resource deployment
- AI tools for cybercrime investigation
- IoT integration in law enforcement operations

07 AI DISRUPTION

- AI-driven predictive policing models
- Real-time facial recognition for suspect identification
- Machine learning in cold case investigations
- AI in enhancing community policing efforts
- Automated systems for emergency call handling
- AI for traffic incident prediction and response
- Machine learning for analyzing crime trends
- AI tools in forensic and DNA analysis
- Data analytics for policing strategy optimization
- AI in managing law enforcement databases

08 GREAT EXAMPLES OF AI

- NYPD's Domain Awareness System
- LAPD's use of PredPol for crime prediction
- London's Met Police AI for facial recognition
- Tokyo Police's AI in crime pattern analysis
- RCMP's AI applications in national security
- Axon's AI in body-worn cameras for evidence collection
- ShotSpotter's AI for gunshot detection
- IBM's AI in criminal data analysis
- Palantir's AI for law enforcement data integration
- HunchLab's AI in proactive policing strategies

09 ECOSYSTEM REQUIREMENTS

- Advanced AI and machine learning technology
- Collaboration between law enforcement and tech developers
- Training for officers in AI tools and ethics
- Strong data privacy and security infrastructure
- Public transparency and accountability in AI use

10 NEW RISKS

- AI biases in law enforcement
- Privacy concerns in surveillance technologies
- Over-reliance on AI in critical decisions
- Ethical challenges in predictive policing
- Cybersecurity threats in police data systems

MISUSE

- Misuse of AI in surveillance and profiling
- Unauthorized access to law enforcement AI systems
- AI biases leading to unfair policing practices
- Over-automation reducing human oversight
- Manipulation of AI data for wrongful convictions

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DILEMMAS

- Balancing AI surveillance with civil liberties?
- Ethical use of AI in predictive policing?
- AI's role in enhancing vs. replacing human judgment?

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ORG. REQUIREMENTS

- Strategic implementation of AI in policing
- Ethical frameworks for AI applications
- Ongoing training in AI and data privacy
- Strong partnerships between police and technology sectors
- Focus on community engagement and trust

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STEP BY STEP AI

- Identify AI applications in law enforcement
- Deploy AI tools for crime detection and prevention
- Train officers in AI usage and ethical considerations
- Integrate AI in daily policing and emergency response
- Continuously assess AI impact and public feedback

BEST PRACTICES

- Prioritize ethical AI use in policing
- Transparent AI deployment and public communication
- AI as a tool to complement human officers
- Focus on community-centric AI policing strategies
- Regular evaluation of AI impact on public safety

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AI MODELS

- Predictive models for crime hotspots
- AI algorithms for facial recognition
- Machine learning in forensic data analysis
- Data analytics for public safety trends
- Neural networks in emergency response planning

DIGITAL TWINS

- Digital twins of urban areas for crime prevention planning
- Virtual simulations for law enforcement training
- AI models for emergency scenario analysis
- Digital replicas of crime scenes for investigation
- Virtual reality setups for community engagement

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GLOBAL LEADERS

- United States (Advanced in law enforcement technology)
- United Kingdom (Innovative policing strategies)
- Japan (Leading in technology-driven policing)
- Germany (Efficient in law enforcement and public safety)
- Canada (Progressive in community-focused policing)

FUTURE JOBS

- AI specialists in law enforcement
- Data analysts for crime prediction
- AI-driven forensic analysts
- Ethical AI advisors for police departments
- Technology integration specialists in policing

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THE FUTURE OF AI

- AI as a core component of modern policing
- Advanced AI in crime prediction and prevention
- AI-driven improvements in community safety
- Enhanced AI in forensic and investigative work
- Ethical AI use shaping future law enforcement

RECOMMENDED READING

- "Predictive Policing" (Perry).
- "Big Data Policing" (Ferguson).
- "AI in Law Enforcement" (Mathews).
- "Future Crimes" (Goodman).
- "The Naked Future" (Tucker).

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TED TALKS

- "How we're using AI to discover new antibiotics" (Collins)
- "Ethical dilemma of designing autonomous robots" (Lin)
- "Can we build AI without losing control over it?" (Harris)
- "Why we need to imagine different futures" (Jain)
- "How AI can help shatter barriers to equality" (Gordon)

ONLINE RESOURCES

- PoliceOne: Comprehensive law enforcement resources.
- Officer.com: Training, news, and equipment updates.
- The Police Chief: Leadership insights in policing.
- Law Enforcement Today: News and analysis for officers.
- Police Magazine: Tactics, tech, and career information.

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NEXT STEPS

- Engage with AI technology.
- Identify opportunities for AI application.
- Invest in AI education and training.
- Please contact us at hello@nextpaper.me for further exploration or inspiration through a **talk**, **workshop** or **case study**. We'd love to help!

