MythBuster.AI: Product Technology Roadmap

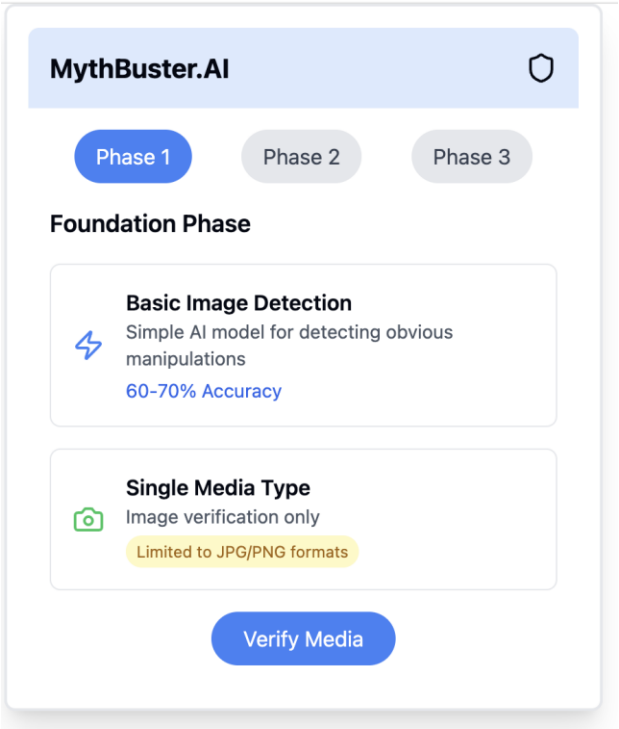
Year 1: Foundation and Initial Development

Q1-Q2: Core Technology Development

- Develop initial machine learning models for:
  - Image manipulation detection
  - Video deepfake identification
  - Audio authenticity verification
- Build robust feature extraction algorithms
- Create baseline AI training datasets
- Establish a multi-modal analysis framework

Q3-Q4: Prototype and Initial Testing

- Develop MVP (Minimum Viable Product)
- Conduct initial accuracy and performance testing
- Begin integration with sample media platforms
- Create initial user interface for real-time verification
- Implement first version of cross-media detection algorithms



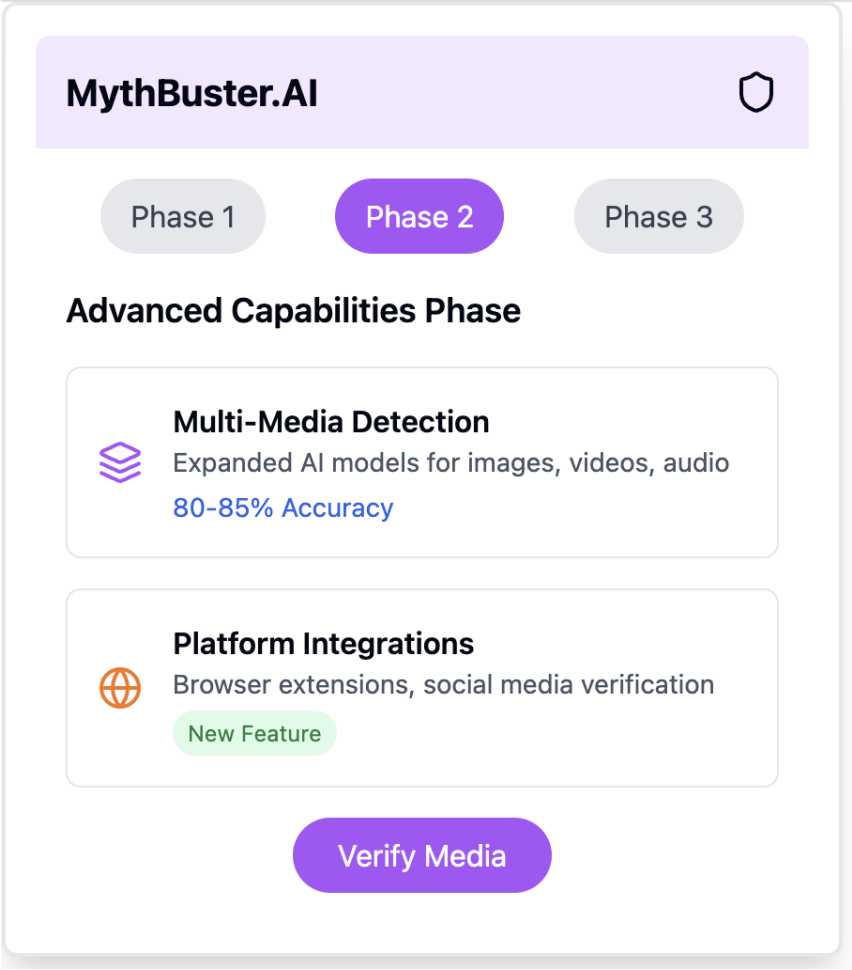
Year 2: Advanced Capabilities and Scaling

Q1-Q2: Advanced AI and Machine Learning Enhancements

- Implement advanced deep learning architectures
- Develop more sophisticated neural network models
- Enhance real-time processing capabilities
- Improve detection accuracy across multiple media types
- Begin developing industry-specific detection modules

Q3-Q4: Platform Integration and Expansion

- Create API for easy integration with social media platforms
- Develop browser extensions for instant verification
- Build enterprise-level authentication tools
- Implement cloud-based scalable infrastructure
- Begin international market expansion



Year 3: Global Deployment and Advanced Features

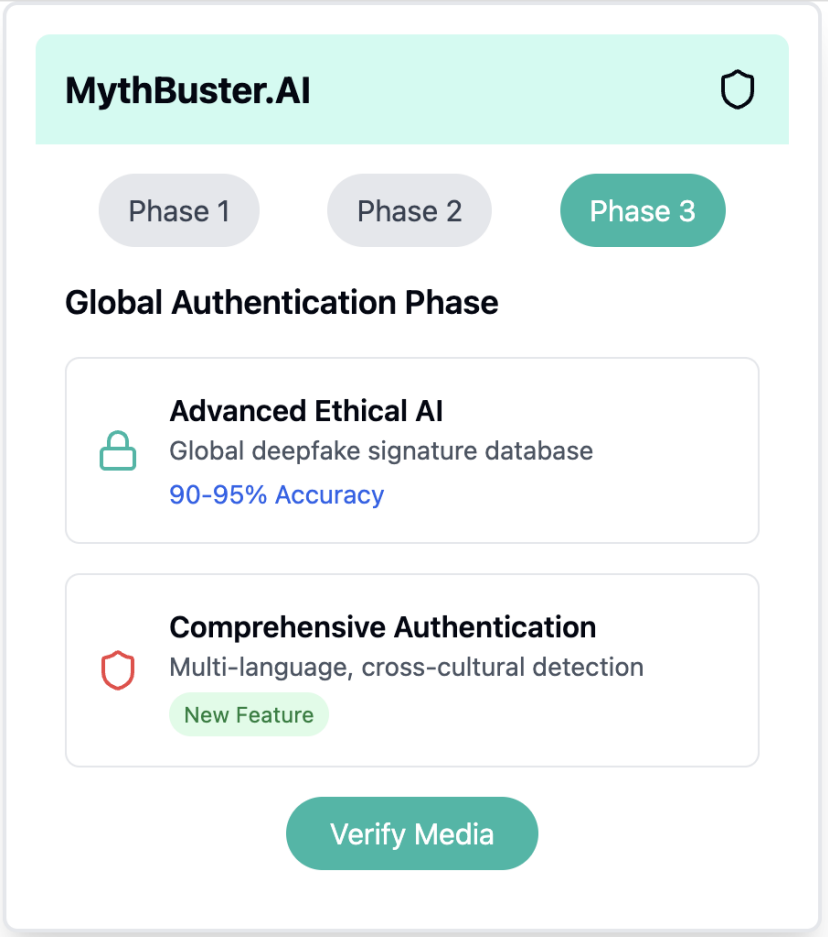
Q1-Q2: Global Authentication Network

- Develop collaborative AI learning network
- Create global deepfake signature database
- Enhance cross-cultural and multilingual detection capabilities
- Implement advanced blockchain-based verification mechanisms
- Develop sophisticated reputation scoring system

Q3-Q4: Advanced Research and Ethical AI

- Establish AI ethics review board
- Develop privacy-preserving detection techniques
- Create transparent AI decision-making processes
- Implement continuous learning and adaptation mechanisms

- Begin research into predictive deepfake prevention



Technology Stack Considerations

- Machine Learning Frameworks: PyTorch, TensorFlow
- Backend: Kubernetes, Docker
- Cloud Infrastructure: AWS, Google Cloud
- Programming Languages: Python, JavaScript
- Database: MongoDB, PostgreSQL
- Real-time Processing: Apache Kafka
- Security: Blockchain integration, advanced encryption

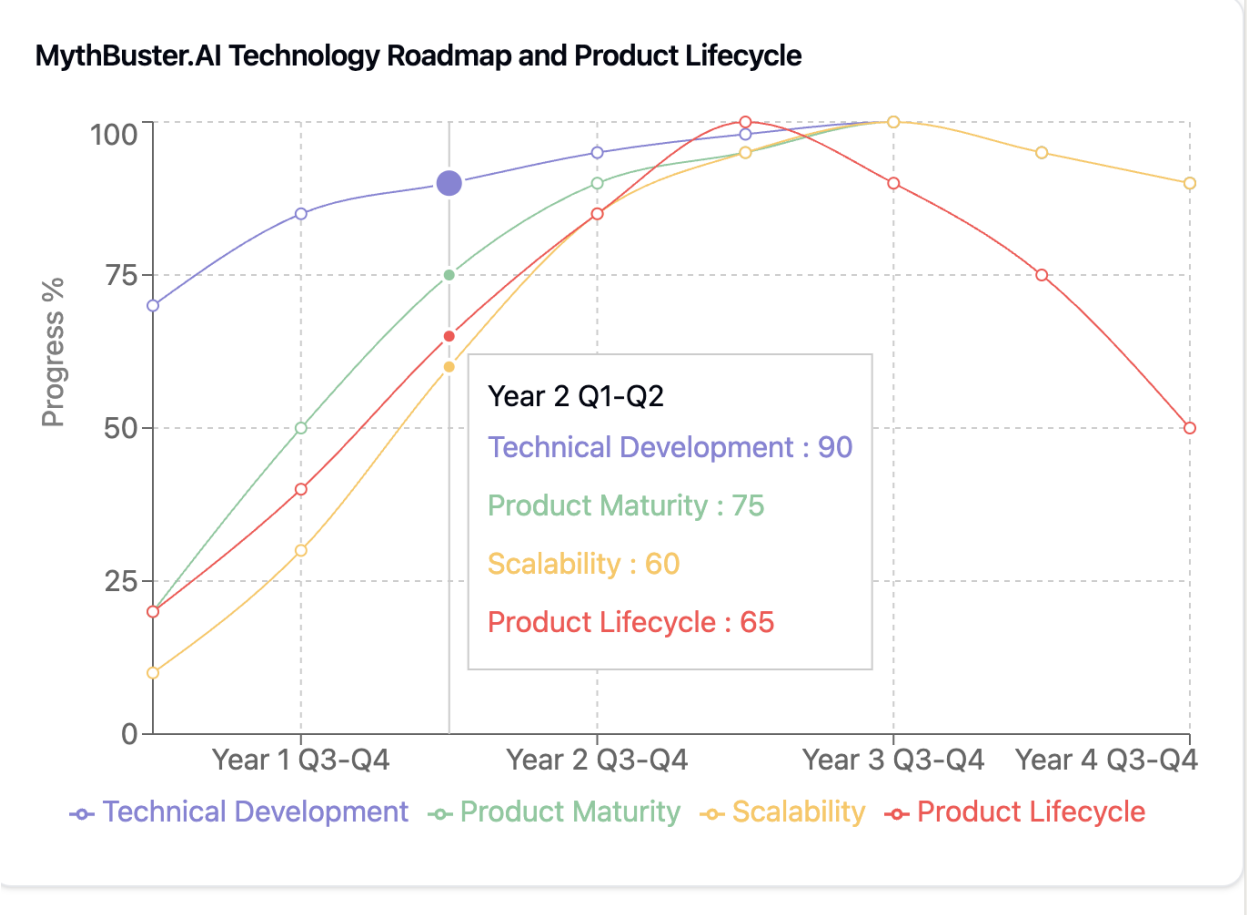
Key Performance Indicators (KPIs)

- Detection Accuracy Rate
- Processing Speed

- False Positive/Negative Rates
- User Adoption Metrics
- Platform Integration Depth

Ethical and Privacy Commitments

- Transparent AI decision-making
- User privacy protection
- Unbiased content assessment
- Continuous algorithmic fairness evaluation



MythBuster.AI Roadmap Focus Areas