

# Technology Overview Document

Modern Technology Landscape This document provides an overview of current technology trends and developments. Artificial Intelligence: - Machine Learning algorithms are revolutionizing data analysis - Natural Language Processing enables human-computer interaction - Computer Vision applications in healthcare and autonomous vehicles Web Development: - Frontend frameworks like React, Vue, and Angular - Backend technologies including Node.js, Python Flask/Django - Database systems: SQL (PostgreSQL, MySQL) and NoSQL (MongoDB, Redis) Cloud Computing: - Infrastructure as a Service (IaaS) - Platform as a Service (PaaS) - Software as a Service (SaaS) - Major providers: AWS, Google Cloud, Microsoft Azure DevOps Practices: - Continuous Integration and Continuous Deployment (CI/CD) - Containerization with Docker and Kubernetes - Infrastructure as Code (IaC) - Monitoring and logging systems