Michael Carter

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EDUCATION

University of Texas at Dallas   Dallas, TX
Bachelor of Science in Computer Science   Aug 2024 – May 2029
Relevant Coursework: Data Structures, Algorithms, Machine Learning, Operating Systems, Database Systems, Software Engineering
GPA: 3.84/4.0

TECHNICAL SKILLS

Languages and Technologies: Python, Java, C++, JavaScript, SQL, Go, TensorFlow, PyTorch
Tools and Frameworks: Git, Docker, Kubernetes, AWS, React, Node.js, MongoDB

PROJECTS

AI-Powered Chatbot for Customer Support | *Python, TensorFlow, Flask*
- Developed an AI chatbot to handle customer support queries using natural language processing
- Integrated sentiment analysis to tailor responses based on customer emotions
- Deployed the chatbot on a web platform with real-time interaction capabilities

Blockchain-Based Voting System | *Solidity, Ethereum, React*
- Designed a secure blockchain-based voting system with smart contracts for transparency
- Implemented cryptographic protocols to ensure voter anonymity and data integrity
- Developed a user-friendly front-end interface for seamless voting experience

E-Commerce Recommendation System | *Python, Scikit-learn, Flask*
- Built a recommendation system for an e-commerce platform using collaborative filtering
- Achieved 85% accuracy in predicting user preferences and product recommendations
- Integrated the system with the platform's backend for real-time recommendations

RESEARCH EXPERIENCE

Research Assistant - AI Ethics Lab   Jan 2021 – May 2022
University of Texas at Dallas   *Dallas, TX*
- Conducted research on ethical implications of AI in decision-making systems
- Developed frameworks for bias detection and mitigation in machine learning models
- Published findings in a top-tier AI ethics conference

WORK EXPERIENCE

Software Engineering Intern   Jun 2023 – Aug 2023
Texas Instruments   *Dallas, TX*
- Developed backend services for embedded systems using C++ and Python
- Optimized database queries, reducing latency by 30%
- Collaborated with cross-functional teams to deliver scalable solutions

Data Science Intern   May 2022 – Aug 2022
AT&T   *Dallas, TX*
- Analyzed user engagement data to improve content recommendation algorithms
- Built predictive models for user behavior analysis with 90% accuracy
- Developed data visualization dashboards for executive decision-making