Sushant Sharma

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LinkedIn Github

TECHNICAL SKILLS

- Programming Languages: Java, Python, C++, C, SQL, Bash, LangChain
- Markup Languages & Frameworks: PyTorch, Sklearn, TensorFlow, Pandas, OpenCV, Keras, Flask, RESTful APIs
- Platforms & Tools: Android Studio, IntelliJ, Tableau, Microsoft project, Git, PyCharm, GitHub, PyCharm
- Key Proficiencies: Machine Learning Pipeline, NLP, Neural Networks, LLM, Deep Learning, GenAI, Reinforcement Learning

EDUCATION

Master of Applied Computing May 2024 – Present
University of Windsor, Windsor, Ontario
Coursework: Artificial Intelligence, Advanced Database Systems, Finance, Internet Applications and Distributed Systems, Networking and Data Security, Advanced Software Engineering, Advanced System Programming
- **Final semester includes a 4 or 8-month internship starting May 2025.**

Bachelor of Technology in Computer Science and Engineering July 2019 - June 2023
Lovely Professional University, Punjab, India
Coursework: Predictive Analysis, Cloud Computing, Data management, Android, Design and Analysis of Algorithms

EXPERIENCE

Software Engineer (Family Business) June 2023 – April 2024
NK Industries, Una, India
- Developed Python-based ML analytics, saving ₹8,00,000 annually by reducing consultant reliance.
- Developed predictive analytics models using Python to reduce inventory wastage and optimize financial decision-making processes, saving costs by 15%. Provided reports for decision-making, enhancing productivity by 20%.

Tech Event Coordinator Oct 2019 - Apr 2022
Gravity LPU, Punjab, India
- Coordinated events using project management tools (MS Project etc.), enhancing operational efficiency.
- Led 50+ coding events, engaging 200+ participants, improving team problem-solving by 20%.

PROJECTS

TermAI Infinity: Advanced LLM Workflow Engine (2024)
LangChain, Python, Transformers, responsible AI*, Chroma, Chain-of-Thought Reasoning, Summarization, Generative AI, RAG*
- Built a fully offline, modular LLM suite enabling multi-step reasoning, retrieval-augmented Q&A, chunk-based summarization, and iterative refinement, ensuring complete data privacy without external APIs.

SmartPay-UPI: QR-Based Payment System (2025)
Blockchain, Python, OpenCV, QR Code APIs, SMTP, bcrypt, JSON, CSV, Privacy
- Developed a secure payment platform featuring QR code transactions, automated email notifications, data management, Identity & Access Management, fraud management and blockchain-backed security for enhanced scalability and reliability.

Model Accelerator: Optimized Inference Pipeline (2024)
C++, ONNX Runtime, Python, OpenCV, PyTorch, TensorFlow, CMake
- Achieved a 50% reduction in inference time and Optimized machine learning inference pipelines with ONNX Runtime and TensorFlow, ensuring model reliability, robustness, and performance stability.

Scalable Big Data Architecture with Zstandard Compression for IoT Smart City Environments (2024)
Shell, Python, Apache NiFi, Kafka, Spark, HDFS, Zstandard, Docker, Kubernetes
- Collaboration as part of a four-member team to build a distributed data pipelines for smart city analytics, improving processing efficiency by 30% using Zstandard compression with NiFi, Kafka, and Spark.

CONFERENCES

Twitter Sentiment Analysis on COVID-19
- Presented at ICCS-2023 (KILBY100), showcasing NLP techniques using Python and applying diverse ML algorithms like Logistic Regression, Random Forests, SVM, and Gradient Boosting etc. for real-time sentiment analysis.

CERTIFICATES & TECHNICAL TRAINING

Machine Learning Certification by Andrew Ng, Coursera
Applied AI with Deep Learning, IBM
RESTful API Developer, LinkedIn