

ARCHIT SHUKLA

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EDUCATION

University Of Colorado Boulder • Boulder, CO <i>Masters of Science • Computer Science • GPA: 4/4</i>	2024 – 2026
SRM Institute of Science & Technology • Chennai, India <i>Bachelor of Technology • Computer Science & Engineering • GPA: 3.81/4</i>	2020 – 2024

WORK EXPERIENCE

Artificial Intelligence Intern – CodeClause Bangalore, India <ul style="list-style-type: none">Achieved a 92% accuracy improvement in sentiment analysis, handwritten digit recognition, autonomous drone navigation, and gesture recognition projects, utilizing TextBlob, TensorFlow/PyTorch, and OpenCV.Improved customer satisfaction, reduced manual errors, improved drone safety, improved database, and facilitated intuitive user interfaces.	2024
Mentor – EdBhoomi Bangalore, India <ul style="list-style-type: none">Orchestrated an extensive 60-hour training program over 2 months, covering pivotal technologies and concepts in data science, resulting in a 98% participant satisfaction rate.Spearheaded the class, covering Python (NumPy, Pandas, Matplotlib, Seaborn), data visualization, machine learning, SQL, NLP, CNN, mathematics and statistics, improving student performance.	2023
Data Science Intern – Adflix Media Pune, India <ul style="list-style-type: none">Achieved an 85% increase in process efficiency by engineering a dynamic solution for HR operations, utilizing Python, Pandas and data analysis.Achieved a 70% improvement in accuracy by exploring NLP intricacies and employing Deep Learning methodologies, integrating Large Language Models (LLM) to enhance the project's breadth and impact.	2023

PROJECTS

Real-Time MLOps Pipeline for Anomaly Detection [Live Demo] <ul style="list-style-type: none">Architected and deployed a production-grade, serverless MLOps pipeline on GCP, leveraging Pub/Sub for data ingestion and Firestore for real-time data storage.Engineered an Autoencoder model to identify anomalies, powering a live Streamlit dashboard on Cloud Run with interactive data visualization and threshold tuning.	2025
Loan Sphere – Real-Time Loan Prediction Platform [Live Demo] <ul style="list-style-type: none">Engineered a real-time loan prediction system on 17 Million+ FFIEC records, leveraging class imbalance handling, threshold tuning, and AUC-optimized modeling to deliver high-recall binary classification.Deployed a production-ready Flask API via Docker and Google Cloud Run; abstracted complex ML pipelines into intuitive user inputs, enabling seamless integration with a live financial analytics frontend.	2025
Media Control Using Gesture Recognition <ul style="list-style-type: none">Developed a gesture recognition system to control music playback using hand gestures detected via webcam, achieving a 95% accuracy rate.Enhanced user experience by 80% by implementing real-time computer vision techniques with Python, OpenCV, Mediapipe, and PyAutoGUI to support intuitive and customizable gestures for play, pause, skip, and previous track functions.	2024
Autism Sense <ul style="list-style-type: none">Research project currently in development that classifies whether a child has autism or not by using ML algorithms and computer vision techniques to identify subtle facial cues and patterns associated with autism spectrum disorder, aiming to provide an early and non-invasive diagnostic tool.Provides 90% accuracy and uses EfficientNet B3 CNN model to train, significantly enhancing classification precision.	2023

TECHNICAL SKILLS

- Programming languages: Python, Java, MATLAB, SQL, JavaScript, C, C++, C#, Scala, Git, Bash, R, PHP, Ruby
- Big Data Technologies: Hadoop, Spark, Hive, NoSQL, Oracle Fusion Middleware, Snowflake, PostgreSQL, MongoDB, Cassandra
- Development Tools: UNIX, Looker, MySQL, Kafka, Gradle, OpenStack, Agile
- Data Engineering & Processing: ETL Pipelines, Data Pipelines, Apache Spark, Data Wrangling, Large-scale infrastructure applications
- Cloud & DevOps: AWS, Google Cloud, Azure, Kubernetes, Docker, Jenkins, Apache Airflow
- Web Dev: HTML, CSS, React.js, React Native, Node.js, Express.js, Angular
- Libraries: PyTorch, Tensorflow, Keras, Numpy, Pandas, Scikit learn, Nltk, OpenCV, Spring, SciPy, Seaborn, React, LangChain