

Arun Kumar A

Bangalore, India

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SUMMARY

MCA graduate skilled in Python development, proficient in Java, JavaScript, SQL, and Salesforce CRM solutions. Experienced in building web and data applications through a Salesforce internship and academic Python projects, using Django, NumPy, and Pandas. Certified in Python and Machine Learning, I offer problem-solving and communication skills, eager to contribute innovative software solutions to technology teams.

EDUCATION

Dayananda Sagar University

Graduated: October 2024

Masters of computer applications

Bengaluru, Karnataka

- Cumulative GPA : **8.31/10.0**
- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Object Oriented Programming, Machine Learning.

T. John College

Graduated: August 2021

Bachelors of computer applications

Bengaluru, Karnataka

- Cumulative GPA : **7.0/10.0**
- Relevant Coursework: Algorithms and Data Structure, C+, SQL, Computer Networks and Applications.

WORK EXPERIENCE

Software Developer Intern (Online)

November 2023 - December 2023

Salesforce Inc

Bengaluru, Karnataka

- Developed practical skills in using and navigating Salesforce developer platform.
- Utilized Salesforce tools (Apex, Visualforce) to automate workflows, streamlining configuration processes in a remote setting.
- Gained practical skills in web development and Salesforce platform, working with HTML, CSS, and JavaScript.

TECHNICAL SKILLS

Programming Languages: Python, C, SQL, Java, JavaScript, CSS, HTML.

Database: MySQL

Libraries/Frameworks: Django, NumPy, matplotlib, OpenCV, Sklearn, pandas.

Tools: Git, Linux, Jupiter Notebook

IT constructs: Data structures, Computer Networks , Agile Methodology, Cloud computing

Soft Skills: Problem-Solving, Remote Collaboration, Time Management.

PROJECTS

Event Horizon

- Built a full-stack web application using Python, Django, and JavaScript, enabling seamless event creation and management for 200+ simulated users.
- Integrated payment gateways, processing 100+ mock transactions with zero errors during testing.
- Implemented real-time notifications, increasing user engagement by 25% in demo feedback.
- Technologies Used: **HTML, CSS, JavaScript, Python, Django.**

Black Friday Sales Prediction

- Developed a Python-based predictive model, achieving 92% accuracy in forecasting Black Friday sales using Random Forest Regressor.
- Processed 12,000+ data points with Pandas and NumPy, optimizing hyperparameters across Linear Regression and Decision Tree model.
- Technologies Used: **Python, Pandas, NumPy, Scikit-Learn, Matplotlib.**

Automatic Violence Detection

- Created a Python-based deep learning system to detect violent activities in videos, achieving 83.93% accuracy on 1,200+ video samples.
- Implemented ConvLSTM, Pre-trained VGG16 with Attention, and EfficientNetB6 with RNN for spatio-temporal feature extraction.
- Preprocessed video data using OpenCV, extracting 40 frames per video for efficient model training.
- Visualized model performance with Matplotlib.
- Technologies Used: **Python, Pandas, NumPy, Scikit-Learn, Matplotlib.**

LANGUAGES

- Tamil
- English
- Kannada
- Malayalam

ACHIEVEMENTS AND CERTIFICATIONS

- Certified by Infosys Springboard for Python course.
- Certified by Rapid Miner for ML professional course.
- Secured district-level in shot put competition, demonstrating discipline and competitive spirit.