Abhishek M

Software Engineer

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Profile

Highly motivated and skilled MCA postgraduate with a strong foundation in computer science and a comprehensive understanding of software development, data science, and IT infrastructure. Technical expertise includes proficiency in programming languages such as Python and Java, along with hands-on experience in web development and database management. Educational background, combined with practical experience and a proactive approach to problem-solving, makes a valuable asset to any tech-driven organization.

Areas of Expertise

Languages: Python, SQL, Java

Frameworks: Pandas, Numpy, Scikit-Learn, Matplotlib

Tools: Excel, PowerPoint, MySQL

Platforms: PyCharm, Jupyter Notebook, Visual Studio Code, Android Studio

Soft Skills: Presentation, Project Management, Excellent Communication, Analytical Thinking

Projects

Violence Detection in Videos   *02/2024 - 05/2024*

- Developed a real-time violence detection system for videos, achieving an accuracy of 94.2% using a deep learning model based on VGG16 and LSTM networks.
- Preprocessed video frames, trained on a dataset of 1000 labeled videos using TensorFlow and OpenCV.
- Generated alerts for violent content to enhance safety and security monitoring.

Vehicle Parking Booking System   *09/2023 - 12/2023*

- Developed a comprehensive Vehicle Parking Booking System web application using HTML, CSS, PHP and JavaScript.
- Implemented features for automated booking processes, real-time vehicle availability and user authentication.
- Improved user experience with a streamlined interface and detailed vehicle information.

Online Courses & Certifications

- Data Base Management System (Nov. 2023) - NPTEL
- The Joy Of Computing Using Python (Dec. 2023) - NPTEL

Education

MCA *ABJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY*   **Thiruvananthapuram, Kerala** *2022 - 2024*
Rajiv Gandhi Institute of Technology; CGPA: 7.75

BSc Physics and Computer Application *UNIVERSITY OF KERALA*   **Thiruvananthapuram, Kerala** *2019 - 2022*
Christ Nagar College; CGPA: 7.8

Languages

- **English**
- **Malayalam** [Native]
- **Hindi**
- **Tamil**