

PRIYANKA PRAKASH

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EDUCATION

M. Tech in Information Technology, R V College of Engineering, Bangalore 2021

Relevant Coursework: Advanced Data Structures and Algorithms; Big Data Science & Analytics; Enterprise application Development; Software Project management; Software Architecture.

Bachelor of Engineering in Information Science, SDMCET,Dharwad 2019

Relevant Coursework: Data Structures and Algorithms; Object-Oriented Programming; Database Management Systems; Networking and Security; Software Engineering; Internet of Things; Cloud Computing.

EXPERIENCE

Assistant Professor Aug 2025 to Present
Department of IS&E BIET, Davangere Davangere

Software Development Intern Aug 2024- Feb 2025
KodNest Technology *Bangalore, India*

- Developed robust full-stack applications using Java for backend functionality.
- Designed and implemented responsive user interfaces using HTML, CSS, and JavaScript, prioritizing user experience and accessibility.
- Built dynamic and interactive components with React.js.
- Developed and integrated RESTful APIs for seamless communication between frontend and backend systems.
- Development Lifecycle Management including requirement analysis, design, development, testing, and deployment of full-stack web applications, ensuring adherence to project specifications.

Technical Recruiter Nov 2021 - Mar 2023
TEKsystems *Bangalore, India*

Analyst Apr 2023- Jul 2024
ScaleneWorks People Solutions *Bangalore, India*

- Responsible for full life cycle recruiting, including sourcing, interviewing, qualifying and placement of a full range of IT candidates
- Responsible for telephonic screening of the profiles and communicating with all candidates on a regular basis to conducting interviews and maintaining consistent communication with technical employees.
- Screening resumes, interviewing qualified candidates, evaluating skill level, managing offers.
- Leverage multiple sourcing strategies and channels including external network, job boards like Naukri, LinkedIn and internal referrals to provide high-quality candidates for open positions.

- Collaborating with hiring managers to understand their hiring needs and goals.

PROJECTS

1. TuneHub - Music Application

Project Scope:

Developed a Java-based full-stack music web application designed to manage song playlists and user registrations, improving the overall music experience for both admins and customers.

Key Contributions:

- Designed and implemented backend functionality using Java and Spring Boot to support robust song management and user registration.
- Built a dynamic and user-friendly interface with HTML, CSS, and Thymeleaf to enhance the user experience for admins and customers.
- Developed and integrated RESTful APIs to ensure seamless data exchange between the frontend and backend systems, improving the application's performance and data handling.

2. Smart Home Anti-theft detection using IOT and AI

Project Scope:

The project provides an anti-theft security system using face detection and recognition algorithm integrated with raspberry pi that is used to control the access of the door

Tech Stack:

Python, Opencv, Tensorflow, Keras, Sci-kit, NOOBS OS, Viola Jones Algorithm(Image processing) and hardwares like Camera, Buzzer, Raspberry Pi.

Key Contributions:

- Proposed and implemented an efficient face detection model that scales the detector instead of the input image, reducing computational time and enhancing performance compared to traditional approaches.
- Implemented the Viola-Jones algorithm to accurately detect human faces, utilizing positive and negative image sets in the training phase for robust feature extraction and classification.
- Conducted performance analysis and fine-tuned the system, by applying integral images, Haar features, and cascading classifiers for more efficient detection.
- Leveraged OpenCV's implementation of the Viola-Jones detector to create a scalable and high-performing face recognition system suitable for real-world applications.
- Performed System Testing after Unit and Integration Testing ensuring that the entire system met specified requirements.

PAPER PUBLICATION

Priyanka P, "Smart Home Anti-Theft Detection Using IOT and AI", Journal of Emerging Technologies and Innovative Research Volume 8 — Issue 6— 2021-06-25, 688-696

STRENGTHS

- Strong communication and presentation skills.
- Ability to simplify complex technical concepts.
- Passion for teaching and mentoring.
- Adaptable and willing to contribute to academic activities beyond teaching.

DECLARATION

I hereby declare that all the information provided above is true to the best of my knowledge.

Place: Davangere