

Thoofik Usmaan A

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Profile SUMMARY

I am a dynamic and results-driven professional with a background in Computer Science, seeking a challenging role as a Software Designer in a reputable organization. My strong foundation in both front-end and back-end development enables me to design intuitive, user-centered software solutions that balance functionality with exceptional user experiences. I bring a creative and analytical mindset to problem-solving and thrive in collaborative, cross-functional teams. Passionate about building impactful digital products, I am eager to contribute to and grow within a product-focused environment.

Skills Summary

- **Programming Languages:** C, JavaScript, Python
- **Frameworks:** React.js, Node.js, Express.js
- **Tools:** Git & GitHub, XAMPP, Vercel, Netlify
- **Platforms:** Visual Studio Code, MongoDB, Figma
- **Soft Skills:** Leadership, Team Collaboration, Time Management, Adaptability

EDUCATION

B.E. in Computer Science and Design Engineering 8.0 CGPA

PES Institute of Technology and Management

Nov 2022- 6th Sem Shivamogga

Class 12th July 2022

Sri VidyaBharathi PU college

Class 10th April 2020

Swamy Vivekananda High School

KEY ACHIEVEMENTS

International Journal of Progressive Research in Engineering Management and Science

DEEPFAKE DETECTION OF FACES – November 2024

This project presents an intelligent deepfake detection platform using CNNs and XceptionNet models. The system effectively identifies manipulated facial images using spatial and temporal anomaly detection. Built with Python, it emphasizes accessibility and performance.

Features

- **Deepfake Detection:** Detects facial image manipulation using CNNs and transfer learning techniques.
- **Hybrid Approach:** Combines traditional image analysis (LBP, histogram) with deep learning methods.
- **Real-Time Interface:** Drag-and-drop tool for users to upload and verify images easily.
- **Performance Optimization:** Achieved 95% detection accuracy and 98% reduction in detection time.
- **Dataset Integration:** Trained on FaceForensics++ and CelebDF datasets for high generalizability.

PROJECTS

SpendWise Elite

- An organizational expense tracker built for budget management and financial analysis.
- Developed a web-based expense tracking system using HTML, CSS, PHP, and MySQL via XAMPP and Visual Studio Code.
 - Enabled features like expense categorization, budget limits, and monthly summary generation.
 - Implemented real-time reports for financial oversight and performance analytics.

DeepFake Detection of Faces

- A face-based deepfake detection system to prevent misinformation and identity fraud.
- Built a Python-based detection model using OpenCV and deep learning to identify manipulated facial videos/images.
 - Applied Convolutional Neural Networks (CNNs) and pre-trained models (e.g., Xception) for classification.
 - Enhanced model performance through dataset preprocessing and augmentation techniques.

SkillScape

- A gamified student activity tracker to enhance learning engagement.
- Designed and developed a platform where students can log academic and extracurricular achievements.
 - Integrated badge and reward systems to increase motivation and track growth visually.
 - Built using the MERN stack (MongoDB, Express.js, React.js, Node.js).

ShelfScout

- A smart digital library platform for book discovery and organization.
- Built with the MERN stack to help users explore, organize, and manage personal or academic book collections.
 - Implemented advanced search features, personalized book recommendations, and a sleek UI.
 - Integrated user authentication for personalized dashboards.
 - Enabled tagging, filtering, and categorization of books for easy retrieval and exploration.

Certificates

Bosch In-Plant Training – Bosch Adugodi Explored smart manufacturing, IoT-driven solutions, and AI-powered automation for Industry 4.0 transformation.	2025
FOSS Hack 2025 – PESITM, Shivamogga Participated in India’s largest open-source hackathon organized by FOSS United Shivamogga.	February 2025
State-Level Hackathon Participation – Malnad College of Engineering Demonstrated exceptional technical skills, innovative thinking, and teamwork in a 6-hour hackathon by Team DevOps.	November 2024
Web Development using WordPress & Digital Marketing – PESITM Practical training in WordPress website development and digital marketing strategies.	July 2024
Code Craft: Mastering Competitive Programming – PESITM Focused program to enhance algorithmic thinking and problem-solving for coding competitions.	July 2024
Foundations of Cybersecurity – Google & Coursera Covered security fundamentals including threat detection, security protocols, and risk management.	March 2024
Enterprise App Development with JAVA EE – PESITM & PraloTech Solutions Built scalable enterprise applications using Java EE in a structured training session.	February 2024

LANGUAGES

English Proficient	<div><div></div><div></div><div></div><div></div><div></div></div>	Tamil Advanced	<div><div></div><div></div><div></div><div></div><div></div></div>
Kannada Proficient	<div><div></div><div></div><div></div><div></div><div></div></div>	Hindi Proficient	<div><div></div><div></div><div></div><div></div><div></div></div>