

OM VIVEK KOLLA

React & Python

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EXPERIENCE

Associate Technical Support

Techmahindra

Present Pune, India

A leading global IT services and consulting company delivering technology solutions across diverse industries.

- Provided technical assistance and troubleshooting for software, configuration, and system-related issues.
- Managed and resolved support tickets efficiently while maintaining a consistent monthly case workload.
- Collaborated with internal teams to troubleshoot escalations, strengthening technical and communication skills.

Internship

HCL Technologies

01/2022 - 05/2022 Chennai, India

A global IT services and consulting company delivering technology and engineering solutions.

- Developed a prototype for an image-based authentication system using Python and OpenCV.
- Implemented basic machine learning and image recognition techniques to enhance authentication accuracy.
- Gained hands-on experience in computer vision, security concepts, and Python-based application development.

PROJECTS

Nxt Trendz (ECommerce Clone - Amazon, Flipkart)

Created a modern e-commerce experience with a design inspired by Amazon and Flipkart

- Implemented pages for Login, Products, and Product details with React Router, React components, and form inputs
- Secured user data with JWT tokens, REST API calls, and local storage

Nxt Watch

Created the Nxt Watch app, a YouTube alternative allowing users to log in, browse video categories such as Trending and Gaming, view saved videos, and search for specific content with a customizable theme

- Designed interactive pages, including Login, Home, Trending, Gaming, and Saved videos, using React components, state management, and lists
- Implemented a secure login system with username/password input, followed by API calls and JWT token handling for persistent login states
- Utilised React Router components (Route, Switch, Link) to establish distinct routes for various pages, enforcing authentication through protected routes

Detection and Analysis of Objects in Video Sequences

Final Year Project | Published in AIP Conference Proceedings (July 2024)

- Designed and implemented an object detection and tracking system using image datasets
- Utilized deep learning and image processing for automated analysis
- Contributed to research article publication in international conference proceedings

EDUCATION

BE (Bachelor of Engineering) in Computer Science Engineering (CSE)

Sathyabama Institute of Science and Technology

06/2019 - 05/2023 Chennai

Intermediate in MPC

NRI Junior College

04/2017 - 05/2019 Guntur

Secondary School Certificate

Dr.K.K.R'S Gowtham

2016 - 05/2017 Guntur

SUMMARY

Full-stack developer with solid expertise in React.js, JavaScript, and Python. Skilled in building responsive UI, dynamic web applications, and backend services using Spring Boot and Python. Experienced through internships, certifications, and real-world projects, including a published research project in computer vision.

KEY ACHIEVEMENTS

Developed an image-based authentication prototype

using Python and OpenCV during HCL internship, demonstrating strong understanding of computer vision and security concepts.

Published research work in AIP Conference Proceedings (2024)

on real-time object detection and analysis, showcasing expertise in algorithms, Python, and video processing.

Built multiple full-stack and frontend applications

using React, JavaScript, and Python as part of NXTWave CCBP training, strengthening real-world development skills.

SKILLS

HTML CSS JavaScript React Python

SQLite

TRAINING / COURSES

Industry Ready Certification in Python Full-Stack Development

INTERESTS

Enthusiastic about creating interactive and efficient web solutions that improve user experience and business performance.

LANGUAGES

English Proficient

Telugu Native

