

THASNEEM A.

SOFTWARE DEVELOPER | PYTHON FULL STACK DEVELOPMENT | AI & DIGITAL MARKETING

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Software Developer with a background in Python Full Stack Development, Artificial Intelligence, and Digital Marketing. Proficient in Python, Django, React, JavaScript, HTML, CSS, RESTful APIs, and database management, with knowledge of developing responsive web applications and backend systems. Hands-on project experience in AI-powered CCTV surveillance, computer vision, object detection, motion detection, and object tracking using Python and OpenCV. Familiar with integrating AI technologies into practical applications to improve automation, monitoring, and system efficiency. Additionally, knowledgeable in Digital Marketing, SEO, AEO, GEO, keyword research, SEO content planning, on-page optimization, and website performance analysis. Possesses strong analytical thinking, problem-solving, and debugging skills, with an eagerness to learn new technologies, collaborate with development teams, and build scalable, efficient, and user-friendly software solutions.

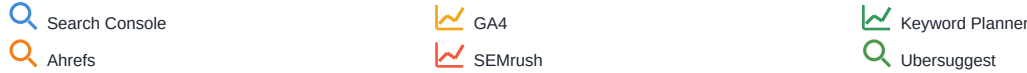
Programming	Python, JavaScript, SQL, C++, Java
Web Development	HTML, CSS, React, Bootstrap, Django, REST APIs
Databases	MySQL, PostgreSQL, MongoDB, SQLite
AI & Computer Vision	Generative AI, Prompt Engineering, YOLO, OpenCV, PyTorch
Digital Marketing	On-Page SEO, Local SEO, Keyword Research, Google Business Profile, AEO, GEO

TOOLS

DEVELOPMENT TOOLS



SEO TOOLS



WORK EXPERIENCE

SEO, AEO, GEO & Digital Marketing

Invendo AI Academy | Ongoing practical work

- Support website and local search optimization activities to improve discoverability for AI training and software education topics.
- Work on keyword research and on-page SEO elements, including page titles, meta descriptions, service content, and internal content planning.
- Manage Google Business Profile tasks such as service updates, publishing posts, uploading photos, monitoring reviews, and preparing relevant review replies.
- Track GBP activity and performance indicators, including review counts, responses, posts, and profile insights; organize data for ongoing reporting.
- Apply AEO and GEO principles to structure useful, clear content that can better answer user questions and support visibility across AI-powered search experiences.
- Review competitor visibility and website SEO signals to identify opportunities for improvement; work includes practical learning and implementation, not claims of guaranteed rankings.

Python Full Stack Developer Intern

INMAKES INFOTECH Pvt. Ltd. | August 2024 – December 2024

- Developed responsive web application interfaces using HTML, CSS, JavaScript, and React.
- Worked on backend application development using Python and Django.
- Assisted in developing and integrating RESTful APIs for frontend and backend communication.
- Worked with databases to store, retrieve, and manage application data.
- Participated in software development tasks, debugging, and application testing.
- Collaborated with team members to implement application features and improve functionality.
- Applied programming concepts and problem-solving techniques to real-world development tasks.

Academic Software Development – Python

M Squared Software & Services Pvt. Ltd., Technopark | July 2022 – December 2022

- Developed Python-based projects for data processing and analysis.
- Used Pandas and NumPy for data manipulation, numerical computation, and data handling.
- Worked with SQL databases to perform data retrieval and basic database operations.
- Implemented Python scripts to automate data-related tasks.
- Applied Python programming concepts, including functions, data structures, and exception handling.
- Practiced debugging, code optimization, and problem-solving techniques.
- Gained practical exposure to software development workflows and project implementation.

AI & SOFTWARE PROJECTS

1. Video-Based Motion Detection & Object Tracking System

TECHNOLOGIES: Python, OpenCV, YOLO11, ByteTrack, Flask, PyTorch, HTML, CSS, JavaScript

- Developed a computer vision application to detect and track vehicles in video footage using YOLO11 and ByteTrack.
- Implemented motion detection using OpenCV to identify movement across video frames.
- Built a Flask-based web interface for video uploads, processing, and visualization of annotated output videos.
- Generated object tracking IDs and detection metrics to support video analysis and monitoring.
- Integrated video processing and output generation for efficient surveillance video analysis.

2. AI-Powered CCTV Surveillance and Video Analytics System

TECHNOLOGIES: Python, Flask, YOLO, OpenCV, ByteTrack, HTML, CSS, JavaScript

- Developed an AI-powered CCTV surveillance system using Python, Flask, YOLO, and OpenCV.
- Implemented real-time object detection and multi-object tracking using YOLO and ByteTrack.
- Developed restricted-zone intrusion, line-crossing, and loitering detection features.
- Implemented event logging, evidence snapshot capture, and annotated video generation.
- Built a web-based monitoring dashboard for video processing, event monitoring, and evidence management.
- Integrated browser-based sound alerts for HIGH and CRITICAL security events.

3. Tailoring Haggling Economizing System (Online Bidding Platform)

TECHNOLOGIES: Python, Django, Django REST APIs, HTML5, CSS3, Bootstrap, JavaScript, MySQL

- Developed an online tailoring platform with dynamic bidding and price negotiation features using Python, Django, and MySQL.
- Implemented secure user authentication, role-based access control for customers and tailors, and session management.
- Built product listings, custom order management, and a dynamic price negotiation module using Django REST APIs.
- Designed a responsive and user-friendly frontend using HTML5, CSS3, Bootstrap, and JavaScript.
- Optimized database queries and bidding logic, reducing order processing time by 30%.

4. Face Blurring Social Entertainment Platform

TECHNOLOGIES: Python, Flask, OpenCV, HTML, CSS, JavaScript

- Built a privacy-focused social entertainment platform with automatic face blurring using Python, Flask, and OpenCV.
- Integrated OpenCV DNN and Haar Cascade models for face detection and automatic blurring in uploaded images and videos.
- Developed a Flask backend with file handling, video processing, and secure upload/download functionality.
- Designed a user-friendly frontend for media uploads, previews, and blurred content sharing using HTML, CSS, and JavaScript.
- Focused on privacy protection by anonymizing faces in media content before sharing and storage.

EDUCATION

Master of Computer Applications (MCA)	University of Kerala, CHMM College	01/2020 – 11/2022 CGPA: 7.6
BSc Computer Science	University of Kerala, CHMM College	05/2017 – 12/2020 CGPA: 7.0

CERTIFICATIONS

NPTEL Cloud Computing MHRD, Government of India	Building Web Applications in PHP University of Michigan
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LANGUAGES

English — Full Professional • Malayalam — Full Professional • Hindi — Professional Working • Arabic — Elementary

PROFESSIONAL SKILLS

- Problem-Solving & Analytical Thinking
 - Logical Thinking & Troubleshooting
 - Critical Thinking
 - Team Collaboration
 - Communication Skills
- Time Management & Organization
 - Adaptability & Continuous Learning
 - Attention to Detail
 - Task Prioritization
 - Creativity & Innovation