

Atharva Sarvesh Devasthali

Experienced Software Engineer | Full Stack Developer | Machine Learning Enthusiast

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Experienced software engineer with 3+ years in full-stack web development and machine learning. Proficient in front-end (HTML, CSS, JavaScript, React, Angular) and back-end (Flask, Django, Express.js, FastAPI) frameworks, skilled in building scalable APIs, implementing responsive designs and enhancing UX. Expertise in AI-driven solutions, cloud deployment on GCP, and committed to staying at the forefront of web security, performance optimization, and modern development practices.

SKILLS

Languages Python, Go, C, C++, Java

Front-End JavaScript, TypeScript, Angular, React, HTML, CSS, SCSS, Jinja, jQuery

Back-End Flask, Django, Node.js, Express.js, FastAPI

Database/Cloud MySQL, MongoDB, Google Cloud Platform (GCP), Firebase, SQL

AI/ML TensorFlow, Keras, OpenCV, Data Mining, Selenium, Large Language Models (LLM)

DevOps/Build Tools Git, Webpack, Gulp, Shell Scripting, REST APIs

Soft Skills Communication, Project Management, Critical Thinking, Leadership, Teamwork, Problem-Solving

WORK EXPERIENCE

Cybage Software Pvt. Ltd.

Software Engineer

Pune, India

December 2020 - July 2023

- Led development and maintenance for 8+ high-traffic marketing websites (e.g., Google Sustainability, Google Lens, Google Translate About), as a Frontend Developer utilizing Python, TypeScript, Flask, and Django.
- Enhanced user engagement by 80% and site performance by 90%, aligning with UX/UI best practices.
- Automated repetitive tasks, achieving a 40% reduction in project turnaround time by implementing scripts in Shell.
- Collaborated with designers and project managers to create user-centered interfaces, ensuring a seamless experience across devices with responsive design principles.

EDUCATION

University of Texas, Arlington

Master of Science in Computer Science

Arlington, TX

August 2023 - May 2025

- Courses: Design Analysis of Algorithms, Machine Learning, Neural Networks, Web Data Management, Data Mining, Artificial Intelligence, Computer Vision, Introduction to Unmanned Vehicle Systems

MIT College of Engineering

Bachelor of Engineering in Information Technology

Pune, India

July 2016 - April 2020

PROJECTS

Facial Expression Detection API | [GitHub Link](#)

- Developed a CNN model for facial expression recognition with 80% accuracy on validation data, using TensorFlow and Keras.
- Trained the model on 15,000+ labeled images with techniques like data augmentation, regularization, and hyperparameter tuning to combat overfitting and improve generalizability.
- Integrated the model as a RESTful API with FastAPI, enabling seamless real-time predictions for external applications.

Interactive Portfolio Website with Modern Web Technologies | [Link](#)

- Created a professional portfolio website with technologies like TypeScript, SCSS, Django, Jinja, Figma for designing and GSAP for animation.
- Implemented SEO best practices, responsive design and leveraged efficient coding practices, leading to a 90% performance improvement and increased site visibility.

Online Interactive Tile Merging Gaming Web Page | [Link](#)

- Designed an interactive, web-based 2048 game using TypeScript, SCSS, HTML, and Flask backend, with Firebase integration for real-time data storage, achieving 95% gameplay retention rate.
- Optimized for responsiveness and performance, ensuring a seamless gaming experience across various device types.

PUBLICATIONS

Published a research paper entitled "IoT Based Inventory Management System with Recipe Recommendation using Collaborative Filtering" in the International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN) Journal (pp. 543-550) by Springer.