

Atharva Sarvesh Devasthali

Software Engineer | Full Stack Developer | Scalable UI Systems | AI & ML Enthusiast

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Software developer with 3+ years building Google web apps, expanding into full-stack development through personal projects and continuous learning. Led development for **8+ Google products** with 90% faster performance, 40% shorter cycles. Skilled in **React / Next.js / Angular, Python, and NodeJS**, with hands-on **AI integration** experience in real-world apps.

Education

Masters in Computer Science

University of Texas at Arlington

Arlington, TX

August 2023 - May 2025

Bachelor of Engineering in Information Technology

Maharashtra Institute of Technology

Pune, India

July 2016 - April 2020

Work Experience

Cybage Software Pvt. Ltd.

Software Engineer (Client: Google)

Pune, India

December 2020 - July 2023

- Led development and maintenance for **8+ high-traffic Google marketing sites** [Sustainability](#), [Lens](#), [Translate](#) [About](#), built using **Python, TypeScript, Flask, and Django**.
- Ensured **WCAG-compliant accessibility**, and enhanced **user engagement by 80%** and **site performance by 90%**, following modern engineering practices like **code reviews**, and **performance optimization**.
- Automated CI/CD pipelines** for multi-locale builds in GCP, reducing deployment time by 40%, and increased unit/integration test coverage across the frontend.
- Collaborated with **cross-functional teams** including designers, PMs, and QA to ensure seamless feature rollouts and user-focused UX enhancements.
- Mentored **25+ developers** on **JS animations** and **advanced UI techniques**, improving visual polish and dev efficiency across teams.

Projects

Facial Expression Detection API | TensorFlow, RESTful API, FastAPI, Streamlit, Docker | [GitHub Link](#) | [Link](#)

- Built a **CNN model** for facial expression recognition with **80% accuracy** trained on **15,000+ labeled images** with techniques like **data augmentation**, **regularization**, and **hyperparameter tuning** to combat overfitting.
- Constructed **interactive interfaces via Gradio**, enabling seamless integration, and deployed in **Docker containers** on **Hugging Face**, delivering real-time predictions with an **average response time of under 500 ms**.

Interactive Portfolio Website with React-based Admin CMS Tool | React, Redux, Django, Firebase, GSAP, Webpack | [Link](#)

- Built a dynamic portfolio site using Django + Webpack with lazy loading, SEO best practices, and GSAP-enhanced UI transitions, scoring 92+ in Lighthouse performance.
- Created a schema-driven CMS in React + Vite with Firebase backend for real-time content updates, tightly integrated with Django via secure API endpoints.

Chatbot for Automated Message Approval | FastAPI, Render, Next.js, MongoDB, TypeScript | [GitHub Link](#)

- Developed a FastAPI-based **AI-integrated chatbot** that automates message approval in GroupMe, reducing **manual moderation time by 80%**, improving **response time by 50%**.
- Integrated **Perplexity API (LLM)** to analyze and refine messages before approval, reducing inappropriate content by 60% and improving message clarity.

Skills

Languages: Python, Go, Java

Front-End: JavaScript, TypeScript, React, Next.js, Angular, HTML, CSS (Sass/SCSS)

Back-End & Security: Flask, Django, FastAPI, Node.js, Express.js, GraphQL, OAuth 2.0, JWT, SAML

Database/Cloud: PostgreSQL, MySQL, MongoDB, Firebase, GCP, AWS

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

DevOps/Build Tools: Git, Docker, CI/CD, REST APIs, Webpack, Jest

Certifications

IBM: Front-End Apps with React (Jan 2025), IBM: Containers (Docker, K8s, OpenShift) (Sep 2024), IBM: AI with Python and Flask (May 2024), Udemy: Django Full Stack Bootcamp (Jun 2024)

Publications

Published a [research paper](#) titled “**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.