

Atharva Sarvesh Devasthali

Software Developer | Full Stack Developer | Google Software Developer | AI & ML Enthusiast

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Full-stack software developer with **3+ years** developing scalable consumer-facing web applications on **Google products**. Expert in modern frontend frameworks (**React, Next.js, Angular, Typescript**) and backend technologies (**Go, Python**), with a proven track record of delivering high-performance applications. Strong background in **TDD, REST APIs**, and technical leadership, with experience **reducing development cycles by 40% and improving performance by 90%**.

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

Google Software Developer

Cybage Software Pvt. Ltd.

Pune, India

December 2020 - July 2023

- Developed and maintained **8+ high-traffic Google marketing sites** including [Google Sustainability](#), [Google Lens](#), and [Google Translate About](#), built using **Python, TypeScript, SCSS, and Flask**.
- Ensured **WCAG-compliant accessibility**, and enhanced **user engagement by 80%** and **site performance by 90%**, following Google's engineering practices including **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.
- Implemented **TDD practices with Jest/Selenium** achieving **95% test coverage** and reducing production defects by 50%.
- Led **cross-functional teams** and mentored **25+ developers** on advanced JS techniques, conducting code reviews and establishing **SDLC best practices** that improved **team productivity by 30%**.

Projects

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 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 **Next.js-powered API endpoints** that automates message broadcasting and 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.

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**.

Skills

Languages: Java, Python, Go

Frontend Frameworks: React, Next.js, TypeScript, JavaScript, Angular, Astro, React Native, HTML, CSS (Sass/SCSS)

Backend & APIs: Java, Python, Flask, Django, FastAPI, Node.js, n8n, Express.js, GraphQL, REST APIs

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

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

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

Certifications

Java Masterclass (Udemy, 2025), IBM: React, Docker/K8s, AI with Flask (2024-2025), Django Bootcamp (Udemy, 2024)

Publications

Published [research paper](#) "**IoT Based Inventory Management System with Recipe Recommendation using Collaborative Filtering**" in Springer ICECMSN Conference (pp. 543-550).