

HIMANSHU KHATARKAR

Software Development Engineer 1

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🌐 himanshu-khatarkar

📍 Chandrapur, MH

🔗 HimanshuKhatarkar



EXPERIENCE

Software Development Engineer

Amazon

📅 Sept '22 – March '23

📍 Hyderabad, TS

- Led the development of highly **scalable**, highly **available** services, reducing system downtime by 40% and increasing customer satisfaction by 25%.
- Utilized **Java**, **AWS**, **TypeScript**, **HTML**, **CSS**, **Python**, **React.js**, **Kubernetes**, **Docker**, **MongoDB**, and **Spring Boot** to automate tax filing systems, benefiting 14 million European taxpayers.
- Designed **low-level** architectures for over five **microservices** following the **ACBDA Design pattern**, resulting in a 50% enhancement in code readability.
- Implemented **Test-Driven Development (TDD)** achieving 100% line coverage, ensuring robust functionality and reliability of services through rigorous component testing.
- Enabled seamless service-to-service integration via the **NAWS-MAWS** connection, optimizing inter-service communication and functionality.

EDUCATION

M.S in Computer Science

International Institute of Information Technology, Bangalore (IIIT-B)

📅 Aug '23 – June '25

📍 Bangalore, KA

Bachelor of Engineering

Rajiv Gandhi Technical University

📅 Aug 2015 – June 2019

PROJECTS

Selfie Extractor

Machine Learning

📅 Mar '20 – May '20

📍 Indore, MP

- Crafted a **Python** script to extract around 15,000 selfie images from a gallery.
- Engineered a 3-layered **Convolutional Neural Network (CNN)** using **Keras** for **image recognition** and text classification.
- Utilized Keras's ImageDataGenerator to **preprocess** and augment a dataset of 3000 images.
- Attained an outstanding **85% validation accuracy** for the model.
- Processed and organized over **15,000** selfie images into a separate folder, optimizing image **management** and **retrieval**.

Google Meet Clone

Web Development

📅 Jul '23 – Sept '23

📍 Chandrapur, MH

- Transformed a webpage with **HTML** and **CSS**, crafting components and buttons for a dynamic user experience. Managed over 100 web elements in the design and implementation process.
- Engineered the **backend** architecture using **JavaScript** and implemented **socket.io**, enabling seamless connections for up to 500 simultaneous **client-server** interactions, enhancing system performance by 40
- Orchestrated real-time audio and video streaming for a user base of approximately 120 users, ensuring a flawless communication experience utilizing **WebRTC**.
- Utilized **Git** for version control and **GitHub** for collaborative development.

SKILLS

Java Python C++ HTML CSS
TypeScript

AWS Docker Kubernetes

Spring Boot Node.js Keras
Tensorflow Flask Django

MongoDB PostgreSQL DynamoDB

ElasticSearch Logstash Kibana
REST APIs IntelliJ Idea Visual Studio Code
Git GitLab

COURSE WORK

Data Structures & Algorithms
Object oriented Programming
Machine Learning & Artificial Intelligence *