

HIMANSHU KHATARKAR

Software Development Engineer 1

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🌐 himanshu-khatarkar

📍 Chandrapur, MH

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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.

Software Development Engineer Intern

AppViewX

📅 Mar '21 – June '21

📍 Coimbatore, TN

- Developed **automation** workflows for certificates as a member of the **CERT+** team, streamlining the creation of approximately 50,000 certificates per month from various authorities including **Microsoft Enterprise**, **Entrust**, **DigiCert**, and **EJBCA**.
- Implemented streamlined workflows that successfully classified over 1,000,000 **SSL** certificates based on parameters like expiry date, **CA** status, and **hash** function.
- Orchestrated certificate deployment to diverse device vendors such as **F5**, **A10**, **IIS Server**, **Citrix**, **Apache Server**, and **Linux Server**. Additionally, authored **Python** scripts to collect and update server details in **MongoDB**, encompassing **CPU utilization**, **ports**, and **core count**.

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

EDUCATION

Bachelor of Engineering

Rajiv Gandhi Technical University

📅 Aug 2015 – June 2019

Masters of Science

International Institute of Information Technology, (IIIT, Bangalore)

📅 Dec '23 – Ongoing