

Kaushik Golithadka

[LinkedIn](#) | [GitHub](#) | [Webpage](#)
golithad@usc.edu | Los Angeles, CA

EDUCATION

University of Southern California (USC), Los Angeles, CA
Incoming Graduate Master of Science in Computer Science student

Aug 2022-May 2024
GPA – NA

University Visvesvaraya College of Engineering (UVCE), Bangalore, India
Bachelor of Engineering (B.E), Computer Science and Engineering

Aug 2015-Jun 2019
GPA- 83.3%/100

Achievements: Awarded **Gold Medal** for being on the **Dean's Merit List** of Bangalore University. Ranked in the **Top 10** of Bangalore University.

TECHNICAL SKILLS

- **Interests and Domain:** Machine Learning, Computer Vision, Backend development, Full-stack development
- **Languages:** Python, Java, C#, Angular, C, HTML, CSS, Shell script
- **Frameworks and tools:** Spring Boot, Flask, Django, Docker, Kubernetes, Android, Git, Jenkins, Jira, AWS, Postman, Agile, CI/CD
- **Libraries:** Matplotlib, Seaborn, Scikit, Keras, Pytorch, TensorFlow, NumPy, Pandas, Dlib, SciPy

WORK EXPERIENCE

- **Senior Software Engineer | Micro Focus, Bangalore, India** Jan 2019–Aug 2022
 - **Machine Learning:** Designed and **Achieved 97.2% accuracy** in the **Facial Recognition and authentication model** and used it in the login feature as a Proof of Concept to make it easier to use and **robust from phishing attacks**. Built the **Face and Shape detection model** using the Dlib's ResNet, and the **Face feature recognition model** using the Dlib library.
 - **Data Analytics:** **Analytical Dashboard** with pie, line, and bar charts helping to track epics, stories, defects, and other tasks. A **full-stack** web application was developed using **Flask, Python**, and **Angular** to track the work progress by the management.
 - **Backend Development:** **Achieved 10X processing capacity** compared to existing products as I **Designed** and **Developed** the Antimalware **Spring Boot Micro Service** and hosted it on a Docker Container. Implemented using **Java 8**, Spring Batch, Spring Integration, Spring REST, Spring Data, Spring MVC, Database Bulk Copy APIs.
 - **Automation:** Developed an **Automation Framework** to generate Test failure reports for higher Management. Automating the process **saved over 600 hours per year** of manual effort.
 - **Achievements:** Awarded **Rising Star** of ZENworks 2020 at Micro Focus, Awarded ZENworks **Dream Team** for developing Antimalware Microservice at Micro Focus.

PROJECTS

- **Fashion Recommender Application | Image Detection, Image Identification, Recommendation Python, Computer Vision, Flask**
Recommender system which **Detects** and **Identifies** apparel from images using VGGNet architecture with **Color and Pattern** accuracy of **96.3%** and **94.2%** respectively, and **recommends** apparel based on the user's likes using **Collaborative Filtering**.
- **Language Translator Model | Image Detection, Image Identification, Computer Vision, NLP, Python**
Application to assist in understanding the text content of an unknown language by translating the text content to the language of their choice.
- **Food Recommender Bot | Python, NLP, Tensor Flow, Android**
A mobile application to interact with users using natural language and **recommend** the finest **restaurants** based on the **User's preference** of cuisine, location, and pricing.
- **Night owl Online Book Hub Application | Django, Python, Angular, Python, Data Analytics**
Analytics dashboard of interactive charts (line, pie, bar) on books in a retail store to grow analyze the market trend, and expand sales.

CERTIFICATIONS AND MOOCS

- **Deep Learning from Padhai Labs**
The course covered Perceptron, Cross-Entropy, L2 Regularization, **CNN**, **RNN**, Hyperparameter Tuning, **Object Detection**, **LSTMs**, **GRUs**, **YOLO**, and more in detail with **theory** and **implementations** using **Python**.
- **Machine Learning from Coursera**
The course covered Gradient Descent, Linear Regression, TensorFlow, **Decision Trees**, **Collaborative Filtering**, and **Recommender Systems** with implementations using **Python**.
- **Foundation of Data Science from Padhai Labs.**
The course covered **Data Visualization**, Random variables, **Normal Distributions**, Probability Density Function, **Central Limit Theorem**, **Chi-Square Distribution**, Hypothesis Testing, Box plot, Violin plot, **Bar plots**, **Heat map**, **Pie chart**, and Donut Chart with **theory** using **Python**.

EXTRA CURRICULAR

- **Teaching Assistant (TA) at University Visvesvaraya College of Engineering** (Jan 2017 - Jul 2017): Produced course materials, Graded assignments, and quizzes, and held office hours to assist undergraduate students with code debugging and homework for CSI 103 - **Data Structures with C**, CSI 104 - **Design and Analysis of Algorithms**, **Android Studio Framework**.

LEADERSHIPS AND ACTIVITIES

- **Fest Director** of Fiesta, the Culture Festival of UVCE that drew **over 10,000 people** - **Responsible** for **Securing Sponsors** and **managing Event Organizers** and **Volunteers**.
- **Class representative** throughout the Undergraduate - **Responsible** for **Organizing classes** and **liaising** between **professor** and **students**.
- **Content Creator** – **Exploring** the local **streets** and **recommending** local **cuisine** through **Instagram reels** with **27,000 followers** and **3.5M+** viewers on **Google Local Guides**.