Kaushik Golithadka

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EDUCATION

University of Southern California (USC), Los Angeles, CA   **Aug 2022-May 2024**
Master of Science, Computer Science   GPA –0/4.0
Courses: Foundations of AI, Analysis of Algorithms, Machine Learning, NLP, Web Technology

University Visvesvaraya College of Engineering (UVCE), Bangalore, India   **Aug 2015-Jun 2019**
Bachelor of Engineering (B.E), Computer Science and Engineering   GPA- 83.3%/100
Courses: Algorithms and Design, Object Oriented Programming, Compiler Design, Data Structures, Artificial Intelligence, Machine Learning
Achievements: Awarded Gold Medal for being in the Dean's Merit List of Bangalore University. I was ranked as one in the Top 10 in the University.

TECHNICAL SKILLS

- **Interests and Domain:** Machine Learning, Computer Vision, Backend development, Full stack development, DevOps
- **Languages:** Java, Python, C#, C, Angular, HTML, CSS, Shell script
- **Frameworks and tools:** Spring Boot Framework, Flask, Django, Docker, Kubernetes, Android, Git, Jenkins, Jira, AWS, Postman, Agile
- **Databases and QL:** PostgreSQL, MongoDB, MSSQL, Oracle DB
- **Libraries:** Bokeh, PlotLy, Matplotlib, Dash, BokehJS, Seaborn, Scikit, Spacy, Gensim, Keras, Pytorch, Xgboost, Tensorflow

WORK EXPERIENCE

- **Senior Software Engineer | Micro Focus, Bangalore, India**   **Aug 2019–Aug 2022**
  o **Backend Development**: Achieved 10X processing capacity compared to existing products as I Designed and Developed the Spring Boot Micro Service for antimalware product and hosted it on a Docker Container.
  o **Automation:** I developed an Automation Framework to generate Test failure reports for higher Management. Thereby saving over 600 hours per year of manual effort.
  o **Full Stack:** Developed AMCA (Agile Methodologies Contrivance Analysis)- is a web-based agile project tracking dashboard helpful in tracking epics, stories, bug, and other tasks.
  o **Machine Learning:** Designed and achieved 95.2% accuracy in the Facial recognition model and used it in the login feature as a Proof of Concept to make it easier to use and robust.
  o **Achievements:** Awarded Rising Star of ZENworks 2020 at Micro Focus, Awarded ZENworks Dream Team for developing Antimalware Microservice at Micro Focus.

- **Software Development Intern | Micro Focus, Bangalore, India**   **Feb 2019-Jul 2019**
  o **Automation:** Developed Automated Common Appliance Framework (CAF) – for automating the process of downloading OVA files from build server and deployment of the Appliance Virtual machine
  o **Web Services API:** Developed RESTful web services using the Spring Rest framework. I took the responsibility of Scrum Master and followed all the scrum practices.

- **Software Development Intern | Pushkala Technologies Pvt Ltd, Bangalore, India**   **Mar 2018-May 2018**
  o **Android:** Built a scalable application to control the Aquarium light using a mobile app to give a deep-sea lighting effect. Worked on Android application development, Python, and Embedded C.
  o **Initiative:**

PROJECTS

- **Fashion Recommender Application** | *Python, Flask, JSON, Tomorrow.io API, Geocoding, Google Cloud Platform*
  A webpage that allows user to search for weather information anywhere in world or current location and for any past date.

- **Food Recommender Bot** *| Python, Supervised ML, Pandas, TF-IDF, Scikit Learn, Numpy, Few Shot Learning, Flask*
  Document segmenter using Multinomial Naïve Bayes algorithm and few shot learning with accuracy score of 95% .txt documents.

- **Night owl Online Book Hub Application | Data Analytics, R, Shiny**
  Analytics dashboard of interactive charts (line, pie, bar) for customer footfall in a retail store to grow markets through sales.

- **Image Detection Project | Time Series Forecasting, Python, LSTM, Flask, Dash**
  Lead team of four to develop an application to forecast price of Lumen with 94.3% accuracy with LSTM model.

EXTRA CURRICULAR

- **Teaching Assistant (TA) at University Visvesvaraya College of Engineering** (Jan 2017 - Jul 2017): Produced course materials, Graded assignments, 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.
- **OpenSource contributor for Pycaret:** Developing the one-line code recommendation system library using Python.

LEADERSHIPS AND ACTIVITIES

- **Senator** for **Viterbi Graduate Student Association** (2021-22) at USC - Organised technical, academic, and cultural involvement fairs as a
- **Fest Director** of Fiesta, a culture fest in Undergraduate.
- **Content Creator – Exploring the local streets, trying and recommending local cuisine through Instagram reels with** 27,000 followers and 3.5M+ views on Google Local Guides.
- **Class representative**
- **Grace Hopper Celebration (GHC) 2022** attendee.