YASH VIJAY MATE

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EDUCATION

Master of Science, Computer Science, University of Southern California (USC), Los Angeles   **Aug 21' - May 23'**
Relevant Coursework: Analysis of Algorithms, Foundation of Artificial Intelligence

Bachelor's of Engineering, Computer Engineering, University of Mumbai (GPA: 9.66/10)   **Aug 17' - Jun 21'**
Relevant Coursework: Data Structures and Algorithms, Database Management System, Software Engineering
Web Technologies, Operating Systems, Machine Learning, Distributed Systems, Cloud Computing

ACHIEVEMENTS

Awarded the grand prize of **$ 2700** for being the **Winner** of ASEAN-India International Hackathon, across **11** Asian countries
Awarded the grand prize of **Rs 100,000** for being the **Winner** of Smart India Hackathon 2020, World's largest online hackathon (**10K+**)
Awarded the grand prize of **Rs 15,000** for being the **Winner** of HackCOVIT Hackathon, out of **690+** participating teams, led a team of **4**.
Awarded the grand prize of **Rs 12,000** for being the **Runner Up** of Buoyanci Innovation Challenge, out of **150+** participating teams
Awarded a certificate for presenting "Automobile Safety System" at KPMG Ideation Challenge Semi-Finals, **Top 20** out of **6000+** participants
Awarded a Silver Medal Certificate for being in **Top 1%**, out of **4400+** candidates in "Python for Data Science" conducted by IIT Madras
Awarded a Gold Medal Certificate for being in **Top 5%** out of **9000+** candidates in "Joy of Computing with Python" conducted by IIT Madras
Awarded a Silver Medal Certificate for being in **Top 5%** out of **3800+** in "Programming, Data Structures and Algorithms using Python", IIT M
Authored and presented **5** papers in research publications like Springer, IEEE and Journal of Physics
Awarded a Certificate for **Winning** IEEE Technical Paper Presentation 2019, out of **30+** participants
Awarded Certificate for being the **Runner Up** of BotHash's Poster Presentation Competition and presenting on "Fighting COVID with AI"
Awarded Certificate for being the **Runner Up** in Article Writing Competitions in **2020** and **2021** organized by Computer Society of India
Awarded Certificate for being the **Runner Up** in Article Writing Competition **2021** organized by IEEE Women in Engineering
Awarded a Trophy and a Letter of Appreciation in an Article Writing Competition organized by Umeed NGO
Awarded Merit Scholarship by Maharashtra State Government for **3** consecutive years, only **1000** students are selected per year

EXPERIENCE

Infinitech, Software Development Intern   Mar 21' - Jun 21'
E-Commerce Portal
- Designed and developed an E-Commerce Website with Angular, Javascript, MongoDB, Bootstrap and Flask
- Implemented REST API Services, Payment Gateway, Product Filtering, User Authentication, Custom Pipes and Directives

Leadingindia.ai, Computer Vision Intern
Lung Disease Classification, Segmentation, and Quantification using Explainable AI   *May 20' - Jun 20'*
- Synthetic Image Generation using **DGCANs** whilst improving its quality with **Image Super-Resolution** with RRDN
- Multiclass Image Classifier for classifying Chest X-Ray Images into Normal, COVID-19, and PNEUMONIA with an accuracy of **98.2%** with **DenseNet121**, achieving a **5%** increase in accuracy after data augmentation.

1MartianWay, Software Development Intern
Detection and Counting of Cement Bags in a Warehouse using Drone Images   *Nov 19' - May 20'*
- Object detection with **Faster RCNN Inception V2**, achieving an accuracy of 98%, trained on 1K+ images

PROJECTS

Sakshy: Towards Crime Free India (Winner - Smart India Hackathon)
Converting handwritten documents as scanned images or photos (in any format) to legible text document using AI extracting important and critical information into a database.

Ship It: "Blockchain in Logistics" (Winner - ASEAN India Hackathon)
With our greater technology efficiency, we have removed the need for intermediaries in the world of logistics with one click. Superior transparency and traceability in the supply chain

Skills: Software Development, Web Development, Programming, Machine Learning, Deep Learning, Computer Vision, Statistics
Languages: Python, Javascript ,C++, C, Java
Frameworks: Numpy, Pandas, Seaborn, Scikit learn, Keras, Tensorflow, PyTorch, OpenCV, SQL, fastai, Spacy, Web3
Web Tech / Database / Tools: HTML, CSS, Bootstrap, Flask, Angular, Remix, Jquery, DynamoDB, Jquery, AJAX, MongoDB