DIVYA MUNOT

(Computer Engineer)

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Best time to call: between 9:00 AM to 7:00 PM(IST)

Passionate to learn cutting-edge technology and providing data-driven learning to offer action-oriented solutions for solving real-world problems, as I intend to develop skills to build successful algorithms and predictive models. A creative thinker with earnest curiosity and eagerness to learn new skills and develop a successful career to impact humanity for good

PATENTS

- Identification and classification of Indian medicinal leaves using UAV with machine learning
  Application Number: 202121006780
  Our system helps to remotely identify Indian medicinal leaves and provide the medicinal values of the leaves, the scientific name of the leaves, and the ailments that can be treated using the identified leaves

- BS-VI diesel particulate filters(DPF) cleaning with the help of acoustic sonic soot blowers
  Application Number: 201921029470
  A device for cleaning and regenerating the diesel particulate filters(DPF) with the help of an acoustic sonic soot blower attached to a soundproof chamber

- Piezoelectric electricity generation with acupressure walking tracks
  Application Number: 201921015132
  This system generates electricity using the piezoelectric effect and simultaneously it is beneficial to all the users through acupressure

COMPETENCIES

- ***Applied Mathematics***
- ***Computer Science Fundamentals and Programming***
- ***Software Engineering and System Design***
- ***Machine Learning Algorithms and Libraries***
- ***Data Modeling and Evaluation***
- ***Neural Networks Architectures***
- ***Natural Language Processing***
- ***Data analysis***
- **Mathematical models**
- **Reinforcement Learning**
- **Distributed Computing**
- **Rapid Prototyping**
- **Domain knowledge**
- **Communication Skills**
- **Problem-solving skills**
- **Time Management**
- **Teamwork**

TECHNICAL SKILLS

- ***Python***
- ***C, C++, Java***
- ***Git***
- ***SQL***
- ***Tensorflow***
- ***Keras***
- ***AWS***
- ***Scikit-learn***
- ***PyTorch***
- ***R***
- ***Apache Spark***
- ***Kubernetes***
- ***Hadoop***
- ***Kafka***

ACCOLADES

- Ranked 8th in 12th National Science Olympiad in school
- Ranked 9th in 13th National Science Olympiad in school
- Ranked 3rd in Folk Dance competition conducted by Judson JIG
- Ranked 5th in 15th National Science Olympiad in school
- Ranked 3rd in Handball in school
- 3rd class in Praveshika Purna for classical singing
- 1st class in Praveshika Purna for playing harmonium
- 1st class in Sangeet Praveshika in playing guitar
- Received Rs. 8,501/- as a token of appreciation for scoring 93.40% in X std from Force Motors ltd
- Ranked 2nd in Instrument playing competition in junior college
- Ranked 3rd in F.Y.J.C
- Distinction in Yoga Pravesh
- 2nd class in Yoga Parichay
- 1st class in Yoga Shikshak (Diploma in Yoga Education), ranked 1st in the batch
- Winner of Mission Helix 3.0 conducted by Coding Club India
- Best Outgoing Student of Pimpri Chinchwad College of Engineering

ACADEMIC CONTOUR

Academic Scores:

Grades	X	XII	FE	SE	TE	BE
Marks (%) & (CGPA)	93.40	86.31	9.64	8.82	8.80	10

Qualification	College/School	Month-Year	Board/University	Percentage/CGPA
BE	Pimpri Chinchwad College of Engineering	May 2021	Pune University	9.31
HSC	Shri Fattechand Jain Junior College	February 2017	Maharashtra State Board	86.31%
SSC	C. M. S Medium High School	March 2015	Maharashtra State Board	93.40%

LANGUAGE SKILLS

- Fluent in English, Hindi, Marathi, Marwari and Spanish

EXTRACURRICULAR ACTIVITIES

- Being a brilliant student in science, I appeared for the 12th National Science Olympiad exam and ranked 8th in my school
- Appeared for the 13th National Science Olympiad exam and ranked 9th in my school
- Appeared for the 15th National Science Olympiad exam and ranked 5th in my school
- Participated in the inter-school folk dance competition conducted by Judson JIG and ranked 3rd
- Am a Scholarship holder of INSPIRE scheme by the Maharashtra state board of Secondary and Higher Secondary Education for performing in the top 1% in Class XII
- The winner of Mission Helix 3.0, a competition conducted by Coding Club India among 4000+ students from different Indian colleges
- NSS (National Social Scheme) head at CESA 2018-2019
- Volunteered at KPIT Sparkle, 2019
- President of ACM-W Student Chapter PCCOE 2019-2020, leading a team of 15 girls
- Represented PCCOE Computer Department at ACM COMPUTE Goa, 2020
- Paper Quilling exhibition in Denaryache Hath Ghyave

COMMUNITY SERVICES AND SOCIAL WORK

- Celebrated Raksha Bandhan with orphans at Nachiket Balgram. Nachiket Balgram is a home for children who are either orphaned or cannot be taken care of by their parents due to various reasons ranging from poverty to substance abuse. It is also a center of education for nearly 300 students originating from acute poverty
- Participated in a tree plantation drive conducted by NSS (National Social Scheme). The National Service Scheme (NSS) is a Central Sector Scheme of the Government of India, Ministry of Youth Affairs & Sports. The sole aim of the NSS is to provide hands-on experience to young students in delivering community service
- Volunteered in blood donation camp conducted by NSS (National Social Scheme)
- Celebrated Raksha Bandhan with Police of Akurdi, Nigdi and Chinchwad of Pune district
- Conducted free online Yoga classes for stress management and healthy lifestyle

CO-CURRICULAR ACTIVITIES

- WAVE certified C Programmer
- Completed Cloud Computing Basics course on Coursera offered by LearnQuest
- Completed Neural Networks and Deep Learning course on Coursera by deeplearning.ai
- Completed Convolutional Neural Networks in TensorFlow course on Coursera by deeplearning.ai
- Completed beginner and intermediate course of Explore ML offered by Google AI
- Completed Python for Data Science course of Cognitive Class by IBM
- Completed Python for Machine Learning course by Great Learning Academy
- Completed Fundamentals of Deep Learning for Computer Vision course offered by NVIDIA
- Completed JavaScript course for web development by Udemy
- Completed Full stack development course offered by Coding Club India
- Completed Coding Mafia course offered by Coding Club India
- Completed PyTorch Basics for Machine Learning offered by edX
- Completed Big Data, Hadoop, and Spark Basics offered by edX
- Completed Critical Thinking and Problem Solving offered by LinkedIn learning
- Completed Introduction to Kubernetes offered by edX

WORK EXPERIENCE

- Technical Content Writer, devmeet.in, June 2020 - Aug 2020
  devmeet.in is an online platform designed and developed for Developers and Programmers as a One-Stop Portal for all the resources and curated content related to Programming and Development.
  My responsibilities included writing technical blogs on Data structures and Algorithms, Python and providing information related to upcoming internships for students

- Campus Ambassador Manager, Coding Club India, Sept 2020 - Jan 2021
  Coding Club India is a community of coders among top engineering colleges in India which organizes events and shares sessions with Alumni, coders, hackers, mentors.
  My role as campus ambassador manager was to manage, train and guide around 500 campus ambassadors from different colleges in India

- Chief Operating Officer, Coding Club India, Jan 2021 - May 2021
  Manage all the operations and interns at Coding Club India.
  Supervise tech building(websites and courses) and promotional activities

- Technology Trainee, TIAA GBS, July 2021 - present
  The Teachers Insurance and Annuity Association of America (TIAA) is a Fortune 100 financial services organization that is the leading provider of financial services in the academic, research, medical, cultural and governmental fields.
  I am under the Immediate Annuity team and working on Spring boot, Angular JS, Postman, Kafka, and OIPA

PROJECTS

- Medicinal Leaf Identification with Machine Learning
  Technology: Python, Tensorflow, HTML, CSS
  Developed a system that will help in identifying the Indian medicinal leaf. After the leaf identification, the system will display the leaf's medicinal values.
  Achieved an accuracy of 93.17%

- MUXMAFIA: Music Crawler
  Technology: Java, PostgreSQL
  Developed a platform on which all the recent mp3 songs can be fetched.
  Worked on a crawling-based solution, implemented back-end using Java, Postgres as Database.
  Crawler is able to download 500+ latest songs data within 30 seconds using multithreading

- Quiz Maker
  Technology: HTML, CSS, PHP and MySQL
  A platform that enables the user to create a quiz as per his/her choice.
  It enables the user to solve a quiz and view the results for the same

- Face Mask Detection
  Technology: Python and Tensorflow
  This project aims to detect whether or not a person is wearing a face mask. The image input which you give to the system will be analyzed and the predicted result will be given as output.
  Accuracy of 96.47%

RESEARCH PAPERS

- Published a research paper on "Deep Learning for Large-Scale Traffic-Sign Detection and Recognition" in International Research Journal of Engineering and Technology (IRJET), Volume: 08, Issue: 11, Nov 2021, pp. 392-395
  A camera-based traffic sign recognition system was created to assist drivers and self-driving automobiles in overcoming this difficulty. After being trained on a significant amount of data, including synthetic traffic signs and photos from street views, the proposed multi-task convolutional neural network (CNN) refines and classifies the data to their precise classifications. Post-processing analysis of all of the input frames before making a recognition judgment. The suggested system classified traffic indicators using the CNN algorithm

- Published a research paper on "Air Traffic Flow Analysis based on Aviation Big Data using Machine Learning" in International Research Journal of Engineering and Technology (IRJET), Volume: 08, Issue: 11, Nov 2021, pp. 503-507
  The dispersed automated dependent surveillance-broadcast (ADS-B) ground stations and collected ADS-B communications are used in this article to create an aviation Big Data platform. By analyzing the created dataset and mapping the extracted data to the routes, the air traffic flow between different cities may be calculated and projected, with the prediction task being handled by two machine learning algorithms. The experimental results using real-world data demonstrate that the suggested long short-term memory (LSTM) traffic flow prediction model outperforms the competition, even more so when irregular traffic management parameters are considered

- Published a research paper on "Identification of Indian Medicinal Leaves using Convolutional Neural Networks" in International Research Journal of Engineering and Technology (IRJET), Volume: 08, Issue: 11, Nov 2021, pp. 1503-1507
  Using the latest technologies like Machine Learning and Deep Learning, we have explored a technological way of identifying Indian medicinal leaves for all naive users. In this paper, we have described the implementation of Convolutional Neural Networks (CNN) for the identification of these leaves