

Divya Munot

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EDUCATION

Master of Science, Computer Science | University of Rochester, Rochester, NY Aug 2022 – Dec 2023

- Machine Learning, Data Mining, Deep Learning, Data Science for Linguistics, Algorithms

Bachelor of Engineering, Computer Engineering | PCCOE, Pune, India

Aug 2017 – Jun 2021

- Data Structures, Databases, Computer Organization, Object Oriented Programming

CGPA – 9.31/10

EXPERIENCE

Technology Trainee | TIAA GBS India, Pune, India

Jul 2021 – Jul 2022

- Worked on integral features like QDRO and Death Servicing for a **Java, Spring, RESTful API, JavaScript & OIPA-based** Immediate Annuity project to enable a secure and **error-free environment**.
- Performed **unit testing and application testing** utilizing cutting-edge technology & methods that ensured the proper functioning of the systems without exposing them to any threats or vulnerabilities.

Chief Operating Officer | Coding Club India, Pune, India

Jan 2021 – May 2021

- Managed all the operations and interns at CCI, grew the **organization by 50%** by planning and executing promotional events, as well as focusing on recruitment emails

PROJECTS

- YOLO-based Foreign Object Detection:** Explored & evaluated **Chest x-rays dataset** to compare the **performance of YOLOv5 and YOLOv6** architectures, achieving better performance on YOLOv5.
- Medicinal Leaves Identification:** Trained and evaluated a **Convolutional Neural Networks (CNN) model** on the Indian medicinal leaves **dataset of 3600 images**, resulting in an **accuracy of 93%**.
- Quiz Maker:** Constructed a **PHP-MySQL** platform that **customized quizzes** to users' needs, allowing college organizers to **save \$3.5K** in hosting costs for the ACMW event.

PATENTS & RESEARCH PAPERS

- Identification and classification of Indian medicinal leaves using UAV with machine learning**, Application Number: 202121006780, Published Date: 05/03/2021
- BS-VI diesel particulate filters (DPF) cleaning with the help of acoustic sonic soot blowers**, Application Number: 201921029470, Published Date: 30/08/2019
- Piezoelectric electricity generation with acupressure walking tracks**, Application Number: 201921015132, Published Date: 15/05/2019
- Air traffic flow analysis based on aviation big data using machine learning**. Munot, Divya. 2021. 11, Nov 2021, IRJET, Vol. 08, pp. 503-507.
- Deep Learning for Large-Scale Traffic-Sign Detection and Recognition**. Munot, Divya. 2021. 11, Nov 2021, IRJET, Vol. 08, pp. 392-395.
- Identification of Indian medicinal leaves using convolutional neural networks**. Dr. K. Rajeswari, Divya Munot, Niranjan Belhekar, Bhargavi Jahagirdar. 2021. 11, Nov 2021, IRJET, Vol. 08, pp. 1503-1507.

CAMPUS LEADERSHIP ACTIVITIES

Pimpri Chinchwad College of Engineering, ACMW student Chapter | *President*

Sept 2019 – Aug 2020

- Led a team of 15 girl volunteers** to provide mentorship & guidance for academics; **expanding the program by 250%**.
- Coached girl students on interpersonal and communication skills** through regular virtual meetings, leading to a **95% growth in confidence**.
- Facilitated hackathons, webinars & coding challenges** for second and third-year female students, resulting in an 80% increase in technical portfolio projects.

SKILLS

Programming languages – Python, R, C++, Java, HTML, JavaScript | **Databases:** SQL, Oracle

Libraries – Numpy, Pandas, Scikit-Learn | **Technologies and Tools:** OIPA, GIT, JIRA, Apache Spark, AWS, Visual Studio Code

ACHIEVEMENTS

- Department of AYUSH certified **Yoga Instructor**
- Best Outgoing Student** award 2020-2021 at PCCOE
- Received **PT&RST On-Spot award** at TIAA GBS
- Distinction in Praveshika Purna for playing **Harmonium**
- Distinction in Praveshika Purna for **classical singing**