

# VENKATA LAHARI BALANTRAPU

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**GitHub:** <https://github.com/ivyaeri>.

**Portfolio:** [https://ivyaeri.github.io/my\\_webCV](https://ivyaeri.github.io/my_webCV)

Optimistic and Self-Learning enthusiast in the Field of Computer Science and Artificial Intelligence. Hardworking and driven individual looking forward apply the knowledge obtained from my studies on real life problems.

## EDUCATION

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**University of Birmingham, UK**

**08/2020 – current**

**Master's Program title: MSc Artificial Intelligence and Machine Learning.**

**Modules:**

- Neural Computation (83%), Mathematical Foundations of AI and ML (89%), Computer Vision, Visualization, Machine learning and Intelligent Data Analysis.

**Dissertation:** Automatic 3D segmentation of Covid 19 CT scan using deep learning ensemble -**Present**

**Coding course works:**

- Backpropagation and SoftMax on fashion MINST, 11/2020 -12/2020.
- Semantic-Segmentation of MR images using CNN, 12/2020.
- University Admission Prediction Using Linear Regression without inbuilt functions, 11/2020–12/2020.
- Image Processing basic methodologies using MATLAB, Mar 2021.

**Jawaharlal Nehru Technological University, Kakinada, India**

**06/2016 – 08/2020**

**Degree type and subject: B. Tech Computer Science (7.9 cgpa).**

**Modules:**

- C, C++, Java, SQL, Python, R, Software Engineering, Data Mining, Machine learning, Design and Analysis of Algorithms.

**Project:** Skin Cancer Prediction Using Machine learning and OpenCV, 12/2019-03/2020.

**Scholarships:**

- Received a scholarship of 25,000rs awarded by Aditya Educational Institutions.
- Awarded a merit-based scholarship of 5000rs every year for outstanding performance in the curriculum.

## EXPERIENCE

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**Gendoo Lab**

**06/2021 – present**

**Research Intern**

- Working on creating models for studying the cancer cells of patients against Xenografts and Organoids.

**University of Birmingham**

**11/2020 – present**

**Student Ambassador**

- Interacted with university and prospective students and parents during tours and student visit days, answering questions and providing insight.
- Moderated closely as a team with students in assisting the future applicants resulted in enhanced group dynamics along with communication skills and time management.
- Answered questions, pointed out important features, and offered suggestions about pre requisites of course.

## WORKSHOPS AND TRAININGS

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- Attained 'Python for Everybody' course complete certificate by UNIVERSITY OF MICHIGAN,

- Attended a two-day national level Seminar on 'Deep Learning for Bioinformatics' sponsored by NSERB INDIA.
- Active participant of a two-day workshop on 'BLOCK CHAIN TECHNOLOGY' conducted at JNTUK VIZIANAGARAM in association with ANVIRA EDUSTATION, AAKAAR IIT BOMBAY.

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#### EXTRA CURRICULAR ACTIVITIES

- Participated in the National Women's Parliament hosted by Govt of AP, organized by Legislative Assembly in association with MIT school of Govt.

**Volunteer:** Attained personal development, Leadership skills, Group Dynamics and adaptability.

- Co-ordinated several Blood-donation camps at Aditya Educational Institution under NSS JULY 2017-JAN 2020.
- Fundraised for highly affected areas during Kerala floods under National Service Scheme (NSS) SEP 2018.
- Organized events in Aditya Educational Institutions like 'Speak If U Can', 'Tech hunt'.

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#### SKILLS AND INTERESTS

##### Languages:

- English (Proficient).
- Telugu (Native).
- Hindi (Proficient).

##### IT Skills:

- Python, C, SQL, HTML.
- Problem Solving.
- MATLAB, OpenCV, Scikit-learn, Jupyter, Tensor Flow.
- Machine Learning.

##### Interests:

- Problem solving on platforms such as hacker rank, Learning new technologies from time to time.
- Staying active by working out and walking around clicking pictures of new places.