

Varsha Chandrasekhar Bendre

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First-year postgraduate student looking for a part-time position in the field of Data Science. Seeking an opportunity to leverage mathematical optimisation and skills for developing Machine Learning models. Positive-attitude and adapting to a new environment will help me achieve the goals.

EDUCATION

RMIT University

Masters in Artificial Intelligence

Recipient (Masters for AI Scholarship for Indian and Sri Lankan Students)

Feb 2020 – present
Melbourne, Australia

Sir.MVIT

Bachelor's in Computer Science

Aug 2015 – Jul 2019
Bangalore, India

- **Electives:** Artificial Intelligence; Data mining & Data Warehousing; Digital Image Processing;
- **Undergraduate Coursework:** Operating Systems; Databases; Algorithms; Programming Languages; Computer Architecture; Calculus III.
- **GPA:** 3.5

SKILLS

Programming

Languages

- Python
- C
- Java
- PHP

Databases

- MySQL
- MongoDB

Libraries

- TensorFlow
- Pytorch
- Theano
- Keras
- Numpy
- Pandas
- Mlflow

Transferable skills

- Communication skills
- Teambuilding
- Leadership skills

Framework

- Flask
- Laravel
- Bootstrap
- ExpressJS
- AngularJS
- React native

Platforms

- Windows
- LINUX
- UNIX

PROFESSIONAL EXPERIENCE

AI Australia

Data Scientist-Intern

Aug 2020 – present
Melbourne, Australia

Saltwater Media Solutions

Data Science Intern

- Building an ensemble model to determine the success of an interview.

Jul 2020 – Aug 2020
Melbourne, Australia

Mimy Medical Simulations Pvt. Ltd.

Junior Software Engineer

- Developing Virtual Reality (VR) and Haptic-based surgical simulators

Jul 2019 – Jan 2020
Bangalore, India

OpenIDEO Bengaluru Chapter*City Manager*

- Website development for a non-profit NGO in Bangalore. (ADISYAM)
- Organising and managing events for the Chapter.

Nov 2018 – Dec 2019

Bangalore, India

ThingsCloud Technologies Pvt. Ltd*Software & Data Science Intern*

- Development of the website using Angular.js and automating the model for the users who have no knowledge about Machine learning and its dependent features.

Jan 2019 – Mar 2019

Bangalore, India

JetGlobo Technologies Pvt Ltd*Machine Learning and AI Engineer*

- An algorithm for the cab booking service was designed and deployed which was based on the arrival and departure of the International and the domestic flights.

Jul 2018 – Sep 2018

Hyderabad, India

Nucarbn*Software Engineer Intern*

- A deep learning algorithm for detection of diabetes with the features including SSPG, blood pressure, blood sugar using Convolutional Neural Network, Long Short-term memory and SVM.
- Smart contract for the private blockchain with Solidity was deployed.

Jul 2017 – Apr 2018

Bangalore, India

Catalan labs*Machine Learning Intern*

- Designed and deployed an algorithm for the prediction of bitcoin values using Bayesian regression with an accuracy of 89%.

Apr 2017 – Apr 2018

Bangalore, India

PROJECTS**Bitcoin Predictor**

- A Machine Learning project based on the Bayesian regression for the prediction of bitcoin prices.
- Technologies used: Python, NumPy, SymPy, Scikit

Chatbot

- A Retrieval-based model Chatbot by using the dialogues from ubuntu corpus.
- Technologies used: Python, Numpy, Pandas

Diabetes Predictor

- A Machine Learning based project using Decision tree algorithm and 7 parameters to predict diabetes.
- Technologies used: Python, Numpy, Pandas

Agricultural Development

- An IOT based device which detects the amount of poisonous gases released by the tractors, which depletes the quality of crops. So, in order to improve the quality of crops by detecting it and reporting it to the company renting the tractors (John Deere).
- Technologies used: Arduino, sensors (MQ135, MQ6), ThingSpeak

Health Care

- A Machine Learning project to improve the health conditions of the rural areas, which collects the data of the patient and prescribes the immediate medical help to be given to the patient (this was done in particular to the pregnant women, as the maternal mortality rate is very high in India).
- Technologies used: Python, Scikit

PUBLICATIONS

Cross Audio-Visual Recognition – Lip Reading

Jun 2019

International Journals of Advanced Research in Computer Science and Software Engineering [ISSN: 2277-128X (Volume-9, Issue-4)]

- Lip reading is the task of decoding text from movement of a speaker's mouth. There are two stages in the task namely the designing or learning the visual features and prediction. It learns the spatiotemporal visual features and the sequence model. The three dominant models that are being utilised to design the Lip reading is Convolution Neural Networks (CNN), LSTM's and Reinforcement learning.

Artificial Intelligence Based Chatbot using Sequence-to-Sequence Model

Mar 2018

International Conference on Sustainable Advanced Computing

- The paper presents the architecture of the Chatbot using Sequence to Sequence model. The paper depicts detailed functional blocks, associated layers and software methodology adopted during the development.

Blockchain with Artificial Intelligence: Future of Travel

Oct 2018

International Conference on Clean Energy and Electrical Systems (CEES 2018)

- An integration of artificial intelligence with blockchain. The new travel agencies are to be registered with the government before it starts functioning. The smart contracts are made between the government and the travel agencies and between the agencies and the customers to validate the Proof-Of-Activity and Proof-Of-Delivery. The digital identification which reduces the verification of the customer every time.

LANGUAGES

English (IELTS:7.5)

Hindi

Kannada

AWARDS/ACHIEVEMENTS

Hackathons

- Top 3 participants in SHE-HACK conducted for women by GO-JEK.
- Awarded first place in the DevHack conducted by CrowdSupply in Sept 2017.
- Top 3 teams in the "International Space Apps Challenge" 2017.
- Selected for the final round of India's one of the biggest hackathons "Smart India Hackathon" 2018.

Open source contribution

- Major open source contribution for Italian Mars Society, Yunity.
- Have been a committed member for Women Who Code, Syssters, GDG Bangalore, PyLadies from 2017.