

# Vishwaja Matikonda

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## EDUCATION

**CVR College of Engineering | B.Tech, Computer Science (CGPA: 9.22/10.00)**

**Aug 2016 - Aug 2020**

- **Relevant Coursework** : Predictive Analytics, Software Engineering, Web Engineering, Visual Programming using C# & .NET, Principles of Programming Language, Database Management System, Computer Organisation, Design & Analysis of Algorithms, Automata & Compiler design, Data Warehousing & Data Mining, Big Data, Cloud Computing, Operating System, Web Technologies, Linux, Unix, Java, C.

**Shivam Junior College | Board of Intermediate Education (Percentage: 93%)**

**Jun 2014 - Apr 2016**

**St. Anthony's High School | Board of Secondary Education, SSC (CGPA: 9.00/10.00)**

**Mar 2014**

## EXPERIENCE

**Indicum Hub | Web Developer Intern (Telangana|India)**

**Jun 2020 - Nov 2020**

- Worked on the front-end for an e-learning platform and deployed it using Rinkeby Ethereum Testnet (Blockchain).
- Collaborated with the management to develop e-commerce strategies and to integrate those with the website.

**Wonsulting | Wonsulting Project 2020 Team member (California|US)**

**Jul 2020 - Sep 2020**

- Designed a full-stack responsive website 'Here-To-Hear' to make an impact on the people suffering from mental health issues and connect them with the therapists.
- Optimised web page by writing clean and efficient code with minimum time complexity

**Eamvey | Front End Web Developer Intern (Telangana|India)**

**Jul 2020 - Aug 2020**

- Evaluated code to ensure that it is valid, properly structured, meets industry standards and is compatible with browsers, multiple devices, or operating systems.
- Created prototypes that include physical, interface, logical, or data models.

## PROJECTS

**Here To Hear**

**2020**

- The project's aim was to develop a website that empowers people to strengthen their mental condition for a better life. It also promotes optimal mental health through advocacy, education, and support through a platform for people seeking help.
- Technologies used: Bootstrap, JavaScript, HTML, CSS, JQuery.

**Spam Mail Prediction**

**2020**

- The project aims to classify a system to identify whether or not the messages are spam and NLP methods to prepare and clean up text data. In order to get more reliable predictions, we used various machine learning classification algorithms such as: Logistic Regression, Naive Bayes, Support Vector Machine
- Technologies used: Python, Pandas, Numpy, Scikit-learn, NLTK, Imbalanced-learn.

**Breast Cancer Prediction**

**2020**

- The aim is to assess whether breast cancer is benign or malignant by applying Logistic Regression, Naive Bayes, KNN, SVM to the dataset from Kaggle and comparing the performance results of all the algorithms based on the accuracy and ROC values.
- Technologies used : Python, NumPy, Pandas, Logistic Regression, Naive Bayes, KNN, SVM

**Break Scheduler**

**2020**

- The project aims to prompt the user to take a break after a user-defined interval of time. This was built during the COVID-19 imposed lockdown to help myself, my colleagues and friends to avoid burn-out due to working long hours without a break.
- Technologies used : Python.

**IOT Based Smart Parking System**

**2019**

- The project aims to develop a smart parking system to reduce time to locate the parking areas, fuel consumption, manpower & also reduce the traffic congestion.
- It offers safe and secure parking slots within the limited area.
- Technologies used : IOT, Arduino, Node MCU, Arduino Programming.

**Web Based Ph.D. Research Progress Information System**

**2018**

- The project aims to develop a platform in which the faculty can enter/update information regarding research activities of their Ph.D. students. The overarching goal was to build a research-archive for current and future students to stay updated.
- Technologies used: HTML, CSS, PHP, Bootstrap, MVC Framework, My-SQL.

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## PEER - REVIEWED PUBLICATION

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**Vishwaja Matikonda**, Shantanu Gautam, Avnish Singh Jat, Semantic web technologies: Challenges and Applications, Journal of critical reviews, **2020**, 7 (17), 3388-3390. doi:10.31838/jcr.07.17.417 ( <http://www.jcreview.com/?mno=28733>)

Basic COVID-19 Disease Spread Model and Predictive Analytics

-Completed (Yet to be published)

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## INTERNATIONAL CONFERENCE

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### Second International Multidisciplinary Conference on Research Trends - (2020)

Presented and published paper on "*Semantic Web Applications : Challenges and Applications*" in LRT-2020, ISBN: 978-93-88683-18-0.

<http://www.conference.iardo.com/KU%20Home-07-December/8K7N4YV3FP4WKK722.pdf>

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## SKILLS

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### Technical Skills

- Python (Scikit learn, NumPy, Pandas, Matplotlib) , C/C++, Java, Node.js, Restful API, Statistical Data Modelling, IOT, My-SQL, Bootstrap, Javascript, HTML5, CSS, JQuery, DBMS, Data Analysis and Algorithms, GIT, Tkinter, NLTK, Keras, Tensorflow

### Operating System

- Windows, Mac, Linux.

### Developer Tools

- PyCharm, Sublime Text, Visual Studio Code, Jupyter.

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## EXTRACURRICULAR ACTIVITIES

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- **Public executive intern : Eamvey**
  - Assisted in administrative duties & updated media lists and databases.
- **Executive Board Member : Computer Society of India - Education Club**
  - Organised workshops on AI, Big Data and conducted various events like coding challenges.
- **Delegate of Iceland : International MUN Conference**
  - I was the part of the Continuous Crisis Committee in which we mainly focussed on the COVID-19 issue.
  - Gained valuable negotiation and diplomatic skills.
- **Student volunteer : Technical event in CIENCIA in 2017(College Fest)**
  - Handled registrations and overall conduct of the event.
  - Added game-based sub-levels for events to encourage participation.
  - Ensured that every student learnt something new.
- **Student Volunteer : "Now and Me" - Mental Health awareness Organisation**
  - As a volunteer, I helped over 50-60 people who were suffering from depression and supported them when needed.
  - Gave seminar talks to empower and give them hope.
- **Design Team : Young Minds Global**
  - Created posters as per the clients directive in a creative and unique way.
- **Gold Medal winner - Chess : Inter-school competition**

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## WORKSHOPS & CERTIFICATIONS

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AWS Machine Learning (Fundamental scholarship course certification)

Udacity

Machine Learning and AI Workshop

IIT-Roorkee

Data Science Workshop

BITS Pilani-Hyderabad

Python & Intermediate Python certification

Datacamp

Communication Skills certification

Tata Consultancy Services

(Machine Learning - Data Structures of Python - Python) certification

Perfect Plan B

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## HOBBIES

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Photography

Cooking

Listening to plain music

Travelling

Art

Yoga

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## LANGUAGES

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Telugu

English

Hindi