

PASALA KRISHNA CHAITANYA

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OBJECTIVE:

A passionate student, and an engineer with skills in data analytics and algorithms., Interested to work in the field of Machine Learning and Big Data Analysis Technologies.

PREVIOUS EDUCATION

Bachelor of Technology in Electronics and Communication Engineering

May 2017

National Institute of Technology Calicut (NITC), India

Grade: 6.81/10

Major Courses:

Mathematics, Linear algebra, Calculus, Science, Basic Engineering, Humanities, Statistical methods, Electronic circuits, Network theory, Signals and systems, Microprocessors and Microcontrollers, Control systems, Computer network, Embedded systems, Computer organization, and architecture, Data structures, Computer Programming.

Board of Intermediate Education (12th Standard), Andhra Pradesh.

May 2013

Sri Chaitanya Junior college, Visakhapatnam (India)

Grade: 94.40%

Major courses:

Mathematics, Physics, Chemistry

Board of Secondary Education, Andhra Pradesh

April 2011

Sri Chaitanya Techno Schools, Visakhapatnam (India)

Grade: 92%

ACADEMIC PROJECTS:

Fusion of multimodal information in assessing the student satisfaction.

Oct 2020- Present

- To build a module which collects the data (gestures, annotations, number of people) from the online webinars.
- To train the system to identify emotions from previously obtained emotions.
- To determine the emotional color of the sentences.

A non-invasive haemoglobin monitoring system

July 2016 - May 2017

- Research on a tool that measures the concentration of haemoglobin in real-time using a non-invasive technique based on pulse oximetry.
- Mathematical model formulated to calculate haemoglobin's concentration, developed on a low-power microcontroller.

Gas leakage detector using microcontroller

Jan 2016 – June 2016

- This model detects the leakage of LPG gases in Industries, Households using the gas sensor.
- This model can be used in buildings and factories, where LPG gas is used, to prevent accidents.

WORK EXPERIENCE:

Quality Control (Statistics)

Mar 2020 - Present.

InstaSolv-Vedantu.

- Prepare and review the content related to statistics and mathematics for IIT-JEE and other University entrance examinations.
- Provide detailed solutions to the questions based on mathematical concepts.

Business operations analyst

July 2018 – Jan 2020

The Big DAD services Private Limited

- Understanding client business issues and providing detailed answers to client queries.
- Optimized sales and operational efficiency through innovative thinking, and process improvement.

Project Trainee

June – July 2015

National Thermal Power Corporation Limited, Simhadri

- Training work on usage of Human-Machine interface (HMI) for power production companies.
- Emphasised on how power production companies based on coal use machines for improvement in production.

SKILLS:

Languages: Telugu, Hindi, English(C1).

Technical: Programming Languages: C, MATLAB, R(Basics), Python.
Tools/Frameworks/Libraries: Tableau, Gephi, Python(Numpy, Pandas, Scipy, seaborn, Opencv, Tensorflow, scikit-learn, Pytorch(basics)).
Others: Data and Quantitative Analysis, Decision Analytics, SQL.

SEMINARS, HONOURS, AND AWARDS:

- Presented a seminar on “Agro-industry for rural development” at National Institute of Technology, Calicut, 2017.
- Attended a seminar on emerging technologies, where I presented my thesis project, “Non-invasive haemoglobin monitoring system” at the National Institute of Technology, Calicut, 2017.
- Participated in “BRIDGE - Petrozavodsk - Autumn 2020” project.
- Awarded merit certificate in IGNOU-UNESCO science Olympiad, 2011.

DECLARATION:

I hereby declare that all the information mentioned above is accurate to the best of my knowledge.

Pasala Krishna Chaitanya, Visakhapatnam, India, 05.11.2020.