



RACHAKONDA SIVA SAI ABHISHEK

An Undergraduate Computer Science and Engineering student

I am a self-motivated, goal-oriented person with practical knowledge in the domains of Machine Learning. Eager to learn new technologies to work in a dynamic organization that will contribute to my professional and personal growth.

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EDUCATION

Bachelor of Technology-CSE

Vignan's Institute of Information Technology

01/2021 - Present

9.04 CGPA

specialization

- CSE(Artificial Intelligence & Data Science)

AP Board Of Intermediate Education

Sri Chaitanya Junior College

07/2018 - 04/2020

9.8 CGPA

Courses

- Mathematics, Physics & Chemistry

PERSONAL PROJECTS

Deep Learning based Brain-Tumour-Detection (Xception-Model) (07/2022)

- Applying AI technologies in Medical Domain to get an efficient trained model through **Transfer learning**, can predict and classify the images of brain tumors and non-tumors with a training accuracy of **98%**.

Churn Modelling using Artificial Neural Network (ANN) (09/2022)

- A churn model is a mathematical representation of how customer churn impacts a business. Churn calculations are based on historical data.
- A predictive churn model uses this data to extrapolate future potential churn rates. This model was built using an **Artificial neural network (ANN)**.

Machine learning approach for predicting Chronic Kidney Disease (01/2023)

- This project used the Classification ML algorithm **Logistic Regression**. The dataset has both categorical and numeric features. The goal of the project was to predict who has chronic kidney disease.
- The user interface was designed using **HTML, CSS, JavaScript**. The model was deployed on a local server and can predict the disease based on 24 attributes.

Logistic Regression IRIS dataset using Flask (01/2023)

- A web application with a user interface containing four attributes containing lengths and widths of both petal and sepal as input from the Pickle model used Logistic regression for classification.
- This model can predict and classifies the given points with an accuracy around 97%.

Predicting Suicide Tendency in Twitter Dataset (12/2022)

- Model for predicting suicide tendencies in Twitter data using NLP classification techniques.
- The goal of this project is to develop a model that can accurately identify and classify tweets that indicate a potential risk of suicide.
- The dataset is labeled with binary classes "suicidal" and "non-suicidal" that preprocess and transform the raw text data into numerical features.

SKILLS

Computer Networks

Operating System

Linux commands

MySQL

Data Structures

python programming

C Programming

Machine learning

Deep Learning

OOP

HTML / CSS

Multi-tasking

problem-solving

presentation skills

Communication skills

ACHIEVEMENTS

Academic Excellence Award (04/2023)

Recipient of the [Academic Excellence Award](#) for maintaining a stellar **9.04 CGPA** throughout the first 6 semesters of the B.Tech program.

Bagged 1st position in Ideathon competition (09/2022)

Issued by VISTA -2K22 Technical Fest . Sept 2022

Bagged 1st position in Ideathon Vista 2k22 AriTech theme (09/2023)

Issued by VISTA -2K22 Technical Fest . Sept 2023

CERTIFICATES

Cisco Certified Network Associate: Introduction to Networks (05/2023)

Issued by [Cisco Certified Network Associate](#)

Introduction to Cybersecurity (11/2022 - Present)

Issued by [Cisco Certified Network Associate](#)

Networking Essentials (03/2023)

Issued by Cisco [Networking Essentials](#)

AWS Academy Data Analytics (04/2023)

Issued by AWS [AWS Academy Data Analytics](#)

Applied Machine Learning, Deep Learning & Computer Vision with Python (06/2022)

issued by [E&ICT and NIT Patna](#)

Indo Universal Collaboration for Engineering Education (IUCEE) NEP Student Competition (03/2021)

Issued by IUCEE for presenting new Teaching methodologies

Cybersecurity Essentials (06/2023)

Issued by [Cisco Certified Network Associate](#)

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WORK EXPERIENCE

Junior Web Developer - Intern Namoon 3D Labs

02/2023 - 03/2023

Vishakhapatnam, India

Researching 3D Printing and New Product Development to build an ecosystem to accelerate innovations in the Mechanical and Electronic Manufacturing sectors.

Achievements/Tasks

- Designing user interfaces **login-signup-home** landing page for Namoon 3D Academy with the cloning of the existing Namoon group website.

Contact : A. Nikhil Chaitanya - Founder and Chairman of Namoon Group

Research and Project Internship Sanmax Mercado

05/2023 - 06/2023

Achievements/Tasks

- Team involvement in researching robotic garage services and developing an **advanced booking system**.
- Developed a Front-End View of Mercado web page for Garage servicing using REACT, HTML, CSS, and JavaScript for validation.

Contact : Sanoj Thankappan - +971 58 589 6602

Python Developer Internship Metacom pvt Ltd

05/2023

Vishakhapatnam

Metacom startup offers a diverse range of services to help businesses stay competitive and succeed in today's ever-evolving digital landscape

Achievements/Tasks

- Developing a Real-time Interface for searching a word in pdfs, is done using the **pypdf2 library and PyQT interface** for it.

Contact : Deva Deepak erothi - Co-Founder and Chairman of Metacom

Applied Machine Learning, Deep Learning & Computer Vision with Python E&ICT and NIT Patna

06/2022 - 08/2022

Electronics and ICT Academies as a unit in IITs, NITs, IIITs, etc. for student up gradation to improve the employability of the graduates in various streams.

Achievements/Tasks

- Training and Performing tasks like **EDA on real-time datasets** applying best-fit models to get optimized solutions.

Contact : Dr. Bharat Gupta(C I E & ICT Academy, NIT Patna) -
bharat@nitp.ac.in

CERTIFICATES

NPTEL certified Data Analytics with python
(01/2022)

issued by NPTEL

Database Management System certification
(08/2022)

Issued by NPTEL

Python Fundamentals (02/2023)

issued by Infosys Springboard

Python Programming for Everybody (12/2021)

issued by Coursera

Introduction to HTML5 (11/2021)

issued by Coursera

VIGNAN's IIT ACM Cybersecurity CTF (05/2021)

issued by VIIT ACM

PHP for Beginners (04/2023)

issued by Udem

<https://drive.google.com/file/d/1GNOL80RgKg2l0ZynhR1x7g5ZAtFFdCL2/view?usp=sharing>

Git commands (03/2023)

issued by Udem [Udem Course Completion Certificate | Udem](#)

LANGUAGES

Telugu

Native or Bilingual Proficiency

Hindi

Professional Working Proficiency

English

Professional Working Proficiency

INTERESTS

Playing Chess and Badminton

Solving Puzzles and mazes