VENKATA SAI NADELLA

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Career Objectives

Dynamic professional with a strong foundation in mathematics, coding languages, and critical thinking, seeking challenging opportunities. Proficient in visualization, analytics, and statistics, with a passion for learning new technologies. Known for fostering great empathy and exhibiting strong team-playing behavior. Eager to contribute valuable skills and drive impactful results.

Education

May 2023 - Dec 2024	Ontario College Graduate Certificate in Artificial Intelligence & Data Science Loyalist College in Toronto, ON.	83.5% Dean's List
August 2018 - April 2022	Bachelor of Technology, Computer Science Engineering Gudlavalleru Engineering College, India.	9.21/10

Projects

Dec 2024

Student Support Chatbot (Chatflix)
- Built a RAG based chatbot to be used by our college "Loyalist college in Toronto" and its partnering college "Toronto Business College".
- Primary purpose of the chatbot is to provide the college students with information about the college policies.
- Based on the query provided by the student, our application will retrieve relevant policies and provide them a customized response.
- Developed a Moodle Plugin to be used by students and a portal running on server to be used by maintenance staff.

April 2022

Enhancing Medical Data Security Using NTRU Algorithm and Steganography
- Developed a custom-made python-based GUI comprising of Cryptographic functionalities aiming safety of medical records of patients and drugs/pills.
- Algorithm is a blend of 3 different layers of encryptions, comprising of NTRU, steganography and Caesar cipher.
- Published a research article in INTERNATIONAL JOURNAL FOR INNOVATIVE ENGINEERING AND MANAGEMENT RESEARCH.

May 2021

Automatic Number plate Recognition using Rapid API
- A website intended for the public to use the number plate recognition software with ease.
- Used simple web development and python flask module to create a dashboard for users. Application hits the rapid API source request whenever a user submits the number plate image.

Dec 2020

Virtual Labs for Mechanics of solid lab
- With virtual labs users can use simulated version of practical civil labs in their devices itself.
- Used SVG and html canvas for simulation of experiment & JavaScript for the mechanics.
- Worked under one of the top institutes of India – IIT Roorkee

Internships

Feb 2022 – May 2022	**Product Development Engineer – I at Phenom People** • Handled tasks in backend development using java language. • Performed user testing/ UI checks. • Daily attended scrum meetings and grooming sessions, sprint planning sessions.
May 2021 – July 2021	**Externship with Smart internz** • Internship based on AI & ML technologies. • Got hands on experience with python modules like numpy, pandas, matplotlib, seaborn,etc, • Working on Automatic Number Plate Recognition with IBM Cloud project.

Freelancing Positions

Nov 2022 – Dec 2022	**Content Creator and Math's SME at "The HomeWork App"** • Created Math chapter in a fun and easily understandable format for Kids. Used canvas design and visual graphics to help kids in remembering the topics. • Test their learnings with a simple MCQ test at the end of each chapter.
Oct 2019 – Jan 2020	**Content Creator and SME at "Synergy Edu Services"** • Answered questions from different subjects that are posted on platforms such as Brainly. • Used a simple format that is best for students to find and understand. • Mostly dealt with Mathematics questions from grade 6 to grade 10.

Technical skills

Languages	Python, Java, C, R.
Web skills	HTML5, CSS3, JavaScript, Jsp, PHP.
Databases	Oracle, MySQL, NoSql, MsSql, Postgres.
Softwares	GitHub, Tableau, visual studio, MS office Suite.

Awards & Achievements

2023	Won first prize in Chess Competition held at campus level by Loyalist College in Toronto.
2022	Awarded with "BEST OUTGOING MALE in ACADEMICS" from Graduating college.
2020-21	Won many prizes in technical events conducted by other colleges through strong self-motivation.
2019	Represented college chess team in JNTUK Inter Zonal Inter Collegiate Tournament for Men.
2019	Won many prizes at college level on aptitude, reasoning, python, and C competitions.
2018	Certified for mentoring students in peer mentoring sessions with great communication skills.

Additional Information

2023	Volunteered as Class Representative to a class of 40 students.
2022	Worked as Volunteer in a 7-Day Virtual Charity Drive internship at Hamari Pahchan NGO.
2019	Volunteered to Vibha organization for conducting statewide quiz event.
2019	Did social service as a member of National Service Scheme (NSS).
2018 - 2022	Got appointed as Class representative to a class of 65 students.