

Burlagadda Sai Nikhil

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Education

DAV Senior Secondary School, Chennai

Senior Secondary (SSC)

Graduation date: May 2021

Percentage: 89

Vellore Institute of Technology, Chennai

B.Tech. in Computer Science Engineering with Spec. in AI/ML

Expected graduation date: May 2025

GPA: 8.79

Experience

Microsoft Innovations Club, VIT Chennai

Oct. 2022 - Ongoing

AI/ML Team

- Pioneering the implementation of Federated Learning on real-world health-care datasets. Datasets.

Culture-IT Club, VIT Chennai

Apr. 2022 - Ongoing

Design Team

- Creatively designed posters and banners for club events using CANVA software.

Achievements

VITISH, Internal Smart India Hackathon, VIT Chennai

Sep. 2023 - Dec. 2023

Winner

Python, Flask, Git, GitHub, HTML, CSS, Javascript, PyTorch, PostgreSQL

- Designed, Developed, Implemented web application AYUSH Web-Application.
- Led a dynamic Back-End development team, steering initiatives such as server management, E-Commerce back-end operations, and pioneering the integration of Image Processing and Machine Learning techniques for predicting medicinal herbs.

DataXACT, VIT Chennai

Nov. 2022

Secured Top-50 position

Python, Machine-Learning, Ensemble Methods

- Led a team of three students in implementing a highly accurate Regression model, employing ensemble methods to predict air carbon dioxide levels with an impressive 94% accuracy.

Projects

Hospital Management System

Oct. 2023 - Nov. 2023

Dynamic Hospital Management Web Application

MongoDB, React, Node, Express, REST API, Git, GitHub

- Engineered a Patient-Doctor appointment booking interface.
- Implemented Admin Access for streamlined operational control.

Spam E-mail Analysis

Aug. 2023

Web Application for Spam E-mail Detection

Python, Machine-Learning, Natural Language Processing, GitHub

- Engineered a comprehensive ML-NLP web application for accurate spam-email detection based on developed patterns.
- Utilized vectorization and classification techniques on real-world datasets for effective model training.

Skills

Languages:

Python, C++, Java, SQL, JavaScript

Technologies & Tools:

Flask, Git, React, Node, MongoDB, PostgreSQL, AWS-Cloud, MERN-Stack Development, ML, NLP, Canva

Certifications

DeepLearning.AI

Neural Networks

Nov. 2023

AWS Academy Graduate

AWS Cloud Practitioner

Aug. 2023 - Dec. 2023

NPTEL, IIT Madras

E-Business

Jul. 2023 - Oct. 2023

Udemy

Machine Learning

Aug. 2023

Developing SQL Databases with PostgreSQL

Jan. 2023