

Rayapalli Sai Nithin

Artificial Intelligence and Data Science Graduate

✉ nithinrsn1515@gmail.com ☎ 9441085597 📅 12th July 2002

📍 Gurivindhagunta, Andhra Pradesh, India, 521263 🌐 nithin-rayapalli14 🔄 rsnithin12

🏠 sai-nithin-rayapalli



Education

Masters of Technology- Computer Science National Institute of Technology Srinagar

August 2024 – present | Srinagar, 190006
CGPA- 8.3/10 (Till Date)

Bachelors of Technology - Artificial Intelligence and Data Science

Seshadri Rao Gudlavalleru Engineering College
January 2021 – May 2024 | Gudlavalleru, 521356
CGPA- 8.88/10

Intermediate Education- MPC Sri New Vision Junior College

June 2018 – March 2020 | Gudivada, 521301
CGPA- 9.73/10

Secondary Education- 10th class Ravindra Bharathi School

June 2017 – March 2018 | Gudivada, 521301
CGPA- 9.5/10

Publications

Medical Insurance Predictive Modelling: An Analysis of Machine Learning Methods

IEEE IAMTSI 2024

March 2024

- Analysis of Eight Machine learning algorithms were done on the medical insurance data set to know the best algorithm for prediction of medical insurance of a person.

Technology used- Machine learning Algorithms.

Internships

Machine Learning and Deep Learning Intern Smart Bridge Technology

January 2023 – May 2023 | Hyderabad, 500001

- A Virtual Internship, gained valuable experience in researching new techniques, model selection and training the models on the data using ML & DL.

Technology Learned- Machine Learning and Deep learning Algorithms

Awards & Achievements

Certificate of Excellence for B.Tech Batch 2020-2024 Seshadri Rao Gudlavalleru Engineering College

April 2025

TCS CodeVita Season 11 Ranker Tata Consultancy Services

March 2024

GATE-2024 Qualifier

March 2024

Projects

Diabetic Retinopathy Detection Academic Final Year Project

- Implemented a deep learning model for early diabetic retinopathy detection, achieving high accuracy through data preprocessing, optimization, and robust evaluation metrics, showcasing deep learning expertise in healthcare solutions.

Technology used- Deep Learning Algorithms

Strain Anlaysis based on Blinking Internship project in Smart Bridge Technology

- Machine learning and computer vision are being utilized to analyze facial features, enhancing our understanding of eye strain levels through eye blinking patterns.

Technology used- opencv, shape-predictors, python

Passengers Monitoring System using IOT Community Service Project

- Proposed a Bidirectional passenger counter system using Arduino. The pair of infrared sensors can detect passengers from both directions, calculate the number of passengers present inside the bus, and display seat availability.

Technology used- IOT device consists of Infrared Sensor with Aurdino. **Role-** Team lead

Technical Skills

Python | C-Programming | Java | HTML | SQL |
Data Base Management System | Data Structures |
Machine Learning Algorithms | Experience with VS Code

Certificates

Programming Essentials in Python Cisco Networking Academy

Python(Basic) Hacker Rank

Programming Essentials in C Cisco Networking Academy

Java Full Stack Wipro TalentNext

Azure AI Fundamentals Microsoft

Strengths

Leader Ship | Time Management | Eye for Detail |
Effective Communication | Team Player |
Problem Solving