AKASH K V

Final Year (Int.MSc)
Physics And Astronomy
at NIT Rourkela
CGPA:6.76 till 8th Sem

NIT Rourkela
Rourkela, Odisha, India
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Education

2020-2025
INT.MSC IN PHYSICS
NIT ROURKELA
CGPA : 6.76/10

2018-2020
INTERMEDIATE
Sree Vijaya PU College, Chintamani
Percentage: 92.6%

2015-2018
HIGH SCHOOL
S F S School, Chintamani
Percentage: 94.24%

Links

Hackerrank:// **AKASH K V**
FreeCodeCamp:// **AKASH K V**
Leetcode:// **AKASH K V**

Skills

OPERATING SYSTEMS
Windows, Linux(ubuntu)

PROGRAMING/DATABASES
C, Python, MySQL

SOFTWARES/LIBRARIES
MS Excel, Numpy, Pandas
Matplotlib, Seaborn

LANGUAGES
Kannada, English, Telugu

OTHERS
Analytical Thinking, Leadership, Problem Solving

Coursework

Mathematical Methods
Machine learning
Statistical Mathematics
Data structures and algorithm
Linear Algebra
Business Reasearch Methodology
Probability and Statistics
Complex and Numerical Analysis

Experience/Projects

Edu-versity **Data Science Summer Intern**

- Gained hands-on experience with essential Python libraries such as NumPy and Pandas for data manipulation and analysis.
- Leveraged MS Excel for data management and preliminary data analysis tasks with real-life data science projects, applying analytical skills to solve practical problems and derive actionable insights.
- Conducted exploratory data analysis and created visualizations to uncover insights into Netflix's content and user trends using Python libraries such as Pandas, Matplotlib, and Seaborn

Python, Pandas, Numpy, MS Excel

Internship Studio **Machine learning Internship**

- Developed a predictive model to estimate YouTube ad views using advanced data science techniques
- Utilized various Python libraries, including NumPy, Pandas, Scikit-learn, and Matplotlib, for data preprocessing, analysis, and visualization. Implemented machine learning algorithms to enhance prediction accuracy and derive meaningful insights from data. .
- Developed a machine learning model to detect fraudulent credit card transactions, achieving high accuracy and precision. Utilized Python libraries like Scikit-learn for model building and evaluation

seaborn, keras, tensorflow, pandas, numpy

Achievements/Certifications

Summer Course

- Gained in-depth knowledge of fundamental concepts and advanced theories in both Particle and Condensed Matter Physics including Mathematical Solving, offered by Prof. Ibrahim Mirza at the University of Tennessee.
  (Link to Certificate)

FreecodeCamp-Data Analytics

- Completed a project-based learning course in scientific computing, utilizing Python libraries like NumPy, SciPy, and Matplotlib to implement numerical methods and data analysis projects

  (Link to Certificate)

Extra Curricular Activity

Student tutor

- Provided in-depth mathematics instruction to intermediate students, with a strong focus on preparing them for board exams and competitive exams, ensuring students were well-equipped to succeed in their academic and competitive pursuits.