AVINASH ANAND

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Summary

Dedicated Computer Science and Engineering student specializing in Data Science with hands-on experience in AI and machine learning. Proficient in Python, SQL, and data visualization, with expertise in statistical modeling and big data technologies. Experienced in both data analytics and cloud computing, having completed internships at AICTE and worked on projects involving predictive modeling and network anomaly detection using ML/DL techniques. Strong background in data structures and critical thinking.

Education

C.V Raman Global University   **Oct 2022 – Jun 2026**
Bachelor of Technology in Computer Science Engineering   *Bhubaneswar, Odisha*

S.S.N.S High school   **Jul 2020 – Mar 2022**
Secondary High School in Science   *Ekangarsarai, Bihar*

Rosemary Land School   **Mar 2018 – June 2020**
Senior School in Science   *Bihar Sharif, Bihar*

Relevant Coursework

- Data Visualization and Reporting
- Database Management Systems (DBMS)
- Cloud Computing
- Logical Design
- AI Tools

Technical Skills

Languages: Python, SQL

Developer Tools: VS Code, Google Colab, Microsoft Office
Technologies/Frameworks: Linux, Windows, Git, GitHub,
Tool: Power BI, Knime
Platforms: Google Cloud

Internship

https://github.com/AnandAvinash9/Covid-19-Vaccination-Analysis

Certified Data Analytics Intern – AICTE and _VOIS for Tech Program   **June 2024 – July 2024**
COVID-19 Vaccination Data Analysis Using Power BI   *Bhubaneswar, Odisha*

- Data Analysis: Analyzed COVID-19 vaccination data from 223 countries using Power BI to uncover key trends.
- Data Cleaning: Transformed and organized raw data for accuracy and enhanced usability.
- Data Visualization: Created impactful visualizations (charts, graphs, maps) to present vaccination insights.
- Recommendations: Proposed strategies to boost vaccination rates and support underdeveloped countries.

Projects

Wine Quality Prediction Web App
https://github.com/AnandAvinash9/Wine_Quality_Prediction   **Mar 2025 – Apr 2025**
Data-Driven Analyst Specializing in Predictive Modeling and Feature Engineering *Bhubaneswar, Odisha*

- Developed an interactive Streamlit app to predict wine quality using a trained KNN classifier.
- Integrated real-time and batch CSV prediction, including visualization of prediction probabilities.
- Preprocessed data with feature selection and scaling; deployed model using joblib.

Network Anomaly Detection with ML & DL   **Aug 2024 – Oct 2024**
Anomaly Detection in Network Traffic Using Machine Learning and Deep Learning Techniques *Bhubaneswar, Odisha*

- Designed and implemented machine learning models (SVM, Random Forest, ANN) for anomaly detection using the NSL-KDD dataset.
- Evaluated models with performance metrics (accuracy: 97%, precision: 96%, recall: 95%, F1 score: 96%) and achieved improved accuracy through feature selection.
- Conducted data preprocessing, feature selection (PCA), and optimization using Python libraries like Pandas and TensorFlow.
- Delivered insights on enhancing cybersecurity systems by comparing machine learning and deep learning techniques.