NARESH SINGH

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EDUCATION

Vellore Institute of Technology   Bhopal, India
Integrated MTech   **Expected May 2026**

Computer Science & Engineering with Specialization in Computational and Data Science   Cumulative GPA: 7.70
Govt. Excellence School   Ashta, India
HSC:71.2   **2021**
SSLC:73.8   **2019**

SKILLS

- **Languages:**   Python, SQL, JAVA, HTML, CSS, JS
- **Frameworks/Libraries:**   Pandas, NumPy, Scikit-Learn, Matplotlib
- **Tools:**   Power BI, MySQL, PowerPoint
- **Core Skills:**   Data Analysis, Machine Learning

EXPERIENCE

Data Analyst Intern | Jindal Stainless | Certificate   Oct 2024 – Dec 2024
Tech Stack: Power BI; Data Analysis
- Processed and analysed large datasets to uncover actionable insights.
- Created interactive Power BI dashboards to visualize key business metrics.
- Improved data accuracy and reporting efficiency by automating data preprocessing.

PROJECTS

Machine learning: Agrokisan | Link   May 2024 – Aug 2024
- Engineered a feature-rich platform for farmers using Flask, improving agricultural productivity and decision-making by providing real-time insights and data-driven recommendations.
- Implemented a Crop Recommendation System using scikit-learn for machine learning algorithms and pandas for data preprocessing, achieving an 91% accuracy in crop prediction based on pH, temperature and other soil nutrients.
- Developed a CNN-based model for apple leaf disease classification using PyTorch, achieving an 89% accuracy, enabling early identification and management of diseases, significantly reducing crop losses.
- Integrated real-time and historical commodity price monitoring using Beautiful Soup for web scraping and selenium for web automation, empowering farmers to make informed market decision.

Machine learning: Book Recommendation | Link   Jan 2024 – Mar 2024
- Collected and pre-processed data of 200,000+ books, utilizing Python and data wrangling techniques.
- Trained a machine learning model to recommend books based on user preferences and reading history.
- Enhanced user experience by enabling personalized book discovery and insights into popular genres and reader trends.
- Tech Used: Jupyter Notebook, Python, scikit-learn, NumPy, pandas, matplotlib, collaborative filtering algorithm.

Machine learning: Fin-Don | Link   Oct 2023 – Nov 2023
- Developed a machine learning model to classify income levels for optimized donation solicitation, achieving 87% accuracy.
- Employed data analysis techniques using pandas and matplotlib to uncover key donor insights.
- Enabled organizations to identify high-potential donors, improving targeted marketing efforts and increasing donation revenue.
- Tech Used: Python, classification algorithms, Streamlit, VS Code.

ACHIEVEMENTS

- Secured a top 10% ranking on the AWS Deep Racer Student League Leaderboard, received a $50 prize for the achievement.
- Attained 18th rank in Code Chef Code Invicta, a coding competition at VIT Bhopal.
- Ranked in the top 5% among 500 Teams in Hackathon at Hacker House, Goa.

CERTIFICATES

- Applied Machine Learning in Python - Coursera | **Certificate**   **Jan 2023**
- Front-End Development Certificate - Great Learning | **Certificate**   **Nov 2022**