JAYAVARSHINI JV

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SUMMARY:

Computer Science and Engineering graduate specializing in **Artificial Intelligence and Data Science**, with hands-on experience in **data analytics, machine learning, backend development, and API-based systems**. Proficient in **Python, Pandas, NumPy, SQL, Node.js, MongoDB, and Streamlit**, with a strong foundation in **data preprocessing, predictive modeling, REST API development, and dashboard creation**.

CORE SKILLS:

- **Programming Languages:** Python, JavaScript
- **Data Science & Machine Learning:** Pandas, NumPy, Data Cleaning, Data Preprocessing, Feature Engineering, Exploratory Data Analysis (EDA), Predictive Modeling, NLP, Data Visualization
- **Backend Development:** Node.js, Express.js, REST APIs, CRUD Operations, JWT Authentication, API Testing (Postman), SQL, MongoDB
- **Frontend Technologies:** HTML5, CSS3, Tailwind CSS, React.js
- **Tools & Platforms:** Git, GitHub, Power BI, Excel, Streamlit, Vercel, Render, Cloudinary
- **Soft Skills:** Analytical Thinking, Problem-Solving, Communication, Team Collaboration, Leadership

EDUCATION:

- Dr. MGR Educational and Research Institute   2021-2025
  B.Tech in Computer Science (Data Science & Artificial Intelligence)
  CGPA: 8.55 / 10 | Percentage: 80.79%
- Velammal Vidhyashram (CBSE)   2020-2021
  XII (Bio-Maths) | Percentage: 78.8%
- Kavi Bharathi Vidyalaya (CBSE)   2018-2019
  X | Percentage: 65.4%

EXPERIENCE:

Data Science Intern – Code tech IT Solutions (Oct 2024 – Nov 2024)

- Performed end-to-end data analysis on real-world datasets using Python, Pandas, and NumPy
- Built and evaluated machine learning models for prediction and classification tasks
- Conducted data cleaning, preprocessing, and feature engineering to improve model performance
- Created visual dashboards and analytical reports to present insights to stakeholders

Data Analytics Intern – Meri skill (Jun 2024 – Jul 2024)
- Cleaned, transformed, and analyzed datasets using Excel and Python
- Conducted exploratory data analysis (EDA) to identify trends and business insights
- Automated reporting workflows to improve analysis efficiency and accuracy
- Strengthened practical understanding of data-driven decision-making

PROJECTS:

Hoax Detector (NLP-Based Application)
Python, Scikit-learn, Streamlit, CSS
- Developed an NLP-based machine learning model to classify misleading and fake content
- Implemented text preprocessing and feature extraction techniques
- Integrated Streamlit to enable real-time predictions through an interactive UI

Resume Screening & Recruitment API
Node.js, Express.js, MongoDB
- Designed a backend API that parses resumes and job descriptions using NLP techniques
- Calculated candidate–job fit scores to assist automated recruitment workflows
- Built scalable RESTful APIs with MongoDB for structured data storage

Recipe Book Application
HTML5, CSS3, Vanilla JavaScript
- Developed a responsive recipe browsing platform
- Implemented dynamic UI components for smooth user navigation

Colour Analysis Tool
HTML5, Tailwind CSS, Vanilla JavaScript
- Built an image-based colour analysis tool
- Generated complementary colour palettes and enhanced UI/UX consistency

PUBLICATIONS:

"Hoax Detector Using Artificial Intelligence"
Bhargavi VD, Jayavarshini JV, Dr. V. Rameshbabu, Dr. T.V. Ananthan
International Journal of Scientific Research in Engineering and Management

ACHIEVEMENTS:
- **Hacker Rank:** 1,500 points & 3 stars in Python
- **Geeks for Geeks:** Scored 150 in medium & hard Python challenges

CERTIFICATIONS:
- IBM - Python, Java, Cloud, Big Data, BI, ML, AI
- REDHAT Administration
- NPTEL – Data Science for Engineers
- TATA GenAI Data Analytics

LANGUAGES:
English | Telugu | Tamil