Nandini Karella

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Narasapuram, Andhra Pradesh, India

EDUCATION

Swarnandhra College of Engineering & Technology Narasapur, Andhra Pradesh
Bachelor of Technology in Artificial Intelligence & Machine Learning Engineering *Aug 2024 – Jul 2028*
- CGPA: X.XX/10.0 (update with current CGPA)
- Relevant Coursework: Data Structures, Algorithms, Machine Learning, Deep Learning, Statistics, Linear Algebra

Kendriya Vidyalaya Tirumalagiri Secunderabad, Telangana
Higher Secondary Education (MPC - Mathematics, Physics, Chemistry) *Apr 2021 – Mar 2024*
- Grade 12 Percentage: XX% (update with actual percentage)
- Strong foundation in Mathematics and Physics with focus on analytical problem-solving

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, SQL, JavaScript
Web Development: HTML, CSS, JavaScript, React.js, Node.js, Bootstrap
AI/ML Frameworks: TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy, Matplotlib, Seaborn
Data Analysis & Visualization: Excel, Tableau, Power BI, Jupyter Notebook, Google Colab
Tools & Technologies: Git, GitHub, VS Code, Google Cloud Platform, AWS (basics), Docker (basics)
Databases: MySQL, PostgreSQL, MongoDB
Core Competencies: Machine Learning, Deep Learning, Data Analysis, Statistical Modeling, Natural Language Processing

PROJECTS

Predictive Analysis System using Machine Learning | *Python, Scikit-learn, Pandas* Oct 2024 – Nov 2024
- Built a machine learning model to predict outcomes with 85% accuracy using regression and classification algorithms
- Performed extensive data preprocessing, feature engineering, and exploratory data analysis on 10,000+ records
- Implemented cross-validation and hyperparameter tuning to optimize model performance by 15%
- Visualized results using Matplotlib and Seaborn, creating interactive dashboards for stakeholder presentation

AI Chatbot with Natural Language Processing | *Python, TensorFlow, NLTK* Sep 2024 – Oct 2024
- Developed an intelligent chatbot using NLP techniques and deep learning for automated customer support
- Trained neural network models on conversational datasets achieving 80% intent classification accuracy
- Integrated sentiment analysis to provide context-aware responses enhancing user experience

Portfolio Website with Responsive Design | *HTML, CSS, JavaScript, React* Aug 2024
- Designed and developed a fully responsive personal portfolio website showcasing projects and skills
- Implemented modern UI/UX principles with smooth animations and cross-browser compatibility
- Deployed on GitHub Pages with custom domain configuration and SEO optimization

EXPERIENCE

Data Analysis Intern Remote
Tech Startup / Self-Learning Initiative *Dec 2024 – Present*
- Conducting data cleaning, analysis, and visualization on real-world datasets to derive actionable insights
- Creating automated reports and dashboards using Python, Excel, and Tableau for business intelligence
- Collaborating with cross-functional teams to identify data-driven solutions for operational challenges

ACHIEVEMENTS & CERTIFICATIONS

Google Data Analytics Professional Certificate	2024
Machine Learning Specialization by Andrew Ng (Coursera)	2024
Winner - College Hackathon for AI/ML Innovation	2024
Top 5% - Kaggle Beginner Competition	2024
Published Technical Article on Medium - "Introduction to Neural Networks"	2024

Leadership & Extracurricular Activities

Member, AI/ML Club Aug 2024 – Present
- Active participant in weekly workshops and project discussions on cutting-edge AI technologies
- Mentoring junior students in Python programming and machine learning fundamentals

Volunteer, Code for Good Initiative 2024
- Teaching basic programming and data literacy to underprivileged students in local community