Abhilash Shinde

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Analytically-minded Data Science Intern proficient in data wrangling, modeling, and visualization. Aiming to leverage statistical techniques and programming skills to extract actionable insights.

WORK EXPERIENCE

Digital Forensics and Security Intern   **Apr 2024 - Jun 2024**
Cyber Secured India   **Remote**

- Improved Threat Detection by analyzing over 50 simulated security incidents, increasing threat detection accuracy by 15%.
- Conducted virtual security tests on 5 systems, identifying more than 20 potential security issues.
- Created 3 interactive dashboards from 1 GB of log data to better understand threat patterns.
- Utilized Python, Data Analysis, Virtual Security Tools

Project Intern   **Jan 2024 - Mar 2024**
R&D, Dean Indira college of engineering   **Pune, India**

- Engineered predictive models, increasing drone navigation accuracy by 35% through sensor fusion techniques.
- Optimized real-time data processing algorithms, reducing latency by 40% and enhancing control responsiveness.
- Orchestrated over 100 system tests, utilizing statistical analysis to maximize performance. Crafted more than 15 interactive data visualizations, improving comprehension of flight patterns by 50%.
- Utilized: Python, Data Analysis, Machine Learning, Sensor Fusion, Statistical Modeling.

PROJECTS

LLM Finetuning ⧉   **Jul 2024 - Aug 2024**

- **Developed a comprehensive guide on fine-tuning a 7B-parameter AI model** , demonstrating the practical application of advanced techniques to adapt general-purpose models for specific tasks.
- **Applied LoRA (Low-Rank Adaptation)** for custom training, optimizing the model efficiently without requiring extensive computational resources, leading to significant performance improvements.
- **Implemented quantization methods** to reduce model size and enhance performance, making the model efficient enough for deployment on limited hardware like Google Colab.
- **Enhanced Midjourney prompts** by integrating fine-tuned models, enabling more descriptive and tailored content creation for applications in storytelling and educational tools.

HridayCare ⧉   **Feb 2024 - Apr 2024**

- **Led a team of 2 developers** to architect a Flask-based web application, processing health data from 1000+ patient records.
- Implemented and tested multiple machine learning models, achieving 88% accuracy in heart disease risk prediction.
- **Engineered 15 features from raw health data**, boosting model performance by 10%.
- **Integrated personalized lifestyle recommendation system**, generating advice for 5 key health areas.
- **Clinched 1st Runner-up** position among 75 teams in IGI Data science Hackathon.

SKILLS

Programming Languages: Python, MySql, C++
Libraries/Frameworks: Pandas, Tensor flow, Scikit-Learn, Keras, Numpy, Seaborn, Matplotlib
Tools / Platforms: Git, Jupyter notebook, Streamlit, Tableau
Databases: MongoDB, SQL

EDUCATION

Bachelor Of Engineering   **Jan 2022 - Jan 2026**
Indira College Of Engineering And Management

Computer Science   **Feb 2020 - Mar 2022**
Vidya Valley North Point

CERTIFICATIONS

Machine Learning Specialization by **DeepLearning.AI, Stanford University**
Cloud Computing and Distributed Systems by **NPTEL, IIT Kharagpur**
Tableau Certified by **Jobaaj Learnings**
Programming Fundamentals by **Coursera, Duke University**
Advanced Learning Algorithms by **DeepLearning.AI, Stanford University**

AWARDS

1st runner-up at IGI hackathon
Successfully completed drone development project by **R&D department, ICEM**