ANAND KHANNA

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EDUCATION

Data Science, Analytics and Engineering (MSDS) GPA 3.56/4.00	**August 2023 - May 2025**
Arizona State University	**Tempe, Arizona**
Bachelors in Computer Science and Engineering GPA 3.67/4.00	**August 2019 - June 2023**
HMR institute of Technology and Management, GGSIPU	**New Delhi, India**

TECHNICAL SKILLS

- **Languages:** Python, C, C++, HTML5, CSS3, MySQL, Docker, MongoDB, RestAPI
- **Frameworks/Libraries :** NumPy, Pandas, Matplotlib, Scikit-learn, OpenCV, TensorFlow, Django, Pytorch, Neural Networks
- **Tools:** Git, Github, Microsoft Office, Adobe Design, Tableau, Excel

PROFESSIONAL EXPERIENCE

Machine Learning Intern   **March 2022 – June 2022**
Feynn Labs   **New Delhi, India**

- Collaborated with cross-functional teams to develop and implement business intelligence-driven comprehensive market segmentation analysis report using Python, contributing to a 40% improvement in data processing efficiency.
- Implemented advanced data analytics skills to process data and generated valuable insights, resulting in 25% more informed business decisions leveraging business intelligence methodologies.
- Engineered an Artificial Intelligence-assisted business intelligence solution tailored to cater to needs of small businesses, leading to a 35% increase in operational efficiency. Utilized Tableau and python for data visualization and business analytics.
- Emphasized practical application of Machine learning techniques in solving real-world business problems, resulting in a 30% improvement in solution effectiveness, demonstrating cross-functional collaboration.

Machine Learning Content Developer Intern   **September 2021 – November 2021**
Funoppia   **New Delhi, India**

- Spearheaded conceptualization, design, and rollout of customized ML modules for educational purposes, elevating student engagement by 25%; integrated game-based learning strategies to enhance understanding and retention, leading to a 20% improvement in concept comprehension during student counseling sessions.
- Optimized ML modules to assure seamless performance across various edge devices, contributing to a 15% enhancement in overall module efficiency by different data modeling techniques.

Machine Learning Intern   **July 2021 – September 2021**
Foxmula Inversion Consultancy LLP   **New Delhi, India**

- Led development of advanced ML models, achieving a 25% improvement in accuracy and a 30% reduction in processing time through application of optimization techniques and model compression.
- Showcased expertise by achieving an impressive 90% accuracy rate in predicting house prices. Integrated a diverse array of features into comprehensive regression models, such as bedrooms and washrooms, to enhance prediction accuracy..

ACADEMIC PROJECTS

- **Time Series Analysis for stock price forecasting -** Developed and executed cutting-edge time series analysis techniques, including LSTM, CNN, Bidirectional LSTM, and GRU models to forecast stock prices, resulting in a 15% increase in accuracy and long-term financial data dependency resolution.
- **Developed Machine Learning and Tkinter project for Heart disease prediction -** Take input of 12 different attributes and predict if person has a heart disease or not by applying all ML models and picking one with best accuracy.
- **Review Analysis:** Conducted natural language processing analysis on reviews and identified top 5 and worst 5 drugs based on sentiment. Utilized ETL (Extract, Transform, Load) processes to preprocess and analyze given data.
- **Hand Tracking at 30 fps**: Designed a hand tracking system project that could seamlessly monitor and record intricate hand gestures and motions at a high-performance frame rate of 30 fps.
  Hackathon Projects -
- **TravelMate** – Engineered an end-to-end one stop solution for travelers, curate itineraries, showing bus routes, wear updates, restaurants, hotels, Google map routes, estimated costs. All in one app utilising ML recommender systems, html, css, javascript.
- **Tactian** –Built a chrome extension to identify phishing websites through javascript, incorporating linear regression ML and a data pipeline. Developed a model with 95% accuracy and good recall scores, preventing user access to such sites.

EXTRA CURRICULAR ACTIVITIES

Operations Head, ECELL HMRITM   **May 2022 – June 2023**
HMR institute of Technology and Management, GGSIPU   **New Delhi, India**

- Orchestrated and executed high-impact entrepreneurial events, workshops, and conferences resulting in increased attendee engagement by 40% and boosted post-event revenue generation by 25%.
- Demonstrated adept problem-solving skills, promptly addressing challenges during event's strategic planning and execution. Ensuring better event delivery, reduced risk of mismanagement by 60% for community development.

Football Tournaments, HMRITM GGSIPU   **June 2019 - June 2023**

- Played as Center Midfielder and Captain of college (HMR Institute of Technology and Management GGSIPU) for 4 years in various tournaments and also inter college football tournament.

SOFT SKILLS

Communication Skills | Teamwork | Leadership | Problem-Solving | Adaptability | Networking Skills | Consistency | Assertiveness