

ANAND KHANNA

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EDUCATION

Data Science, Analytics and Engineering (MSDS) GPA 3.52/4.00

Arizona State University

August 2023 - May 2025

Tempe, Arizona

Bachelors in Computer Science and Engineering GPA 3.67/4.00

HMR institute of Technology and Management, GGSIPU

August 2019 - June 2023

New Delhi, India

TECHNICAL SKILLS

- **Languages:** Python, SQL, R, HTML5, CSS3, MySQL, Docker, MongoDB, REST API, Scala, Bash
- **Frameworks:** Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, Flask, Streamlit
- **Tools:** Git, GitHub, Jupyter Notebooks, Tableau, Power BI, Apache Spark, VS Code, Anaconda, AWS, Docker
- **Data Analysis Skills:** Data Visualization, Predictive Modeling, Statistical Analysis, Machine Learning, A/B Testing, Time Series Analysis, Data Mining, Feature Engineering, Natural Language Processing (NLP), Data Wrangling, Deep Learning, Reinforcement Learning

PROFESSIONAL EXPERIENCE

Data Analyst and Machine Learning Intern

Feynn Labs AI

March 2022 – June 2022

New Delhi, India

- Conducted Natural Language Processing (NLP) on drug reviews using **Python** and libraries like **NLTK** and **SpaCy** to assess sentiment for various drugs. Utilized **ETL** processes for efficient data handling and analysis.
- Collaborated on market segmentation analysis with my team using **Python**, **Pandas**, and **SQL**, enhancing **data processing** efficiency by **40%**, provided actionable insights to drive strategic **decision-making**.
- Developed AI-powered **business intelligence** solutions with **Tableau** and **Power BI**, improving operational efficiency by **35%**, enabling **data-driven** strategies for better business performance.
- Applied advanced machine learning algorithms using **Scikit-learn** and **TensorFlow**, leading to a **25%** improvement in **data-driven** decision-making. Focused on real-world challenges, achieving a **30%** increase in solution effectiveness.

Data Analyst and Machine Learning Content Developer Intern

Funoppia

September 2021 – November 2021

New Delhi, India

- Spearheaded the design and development of educational machine learning modules using **Python**, **TensorFlow**, and **Flask**, boosting student engagement by 25% through interactive **game-based learning**.
- Optimized machine learning models with **Scikit-learn** and **Keras**, improving performance by 15% and leveraging **Docker** for deployment, ensuring alignment with educational objectives creating a deeper understanding of **ML** and **AI** amongst students.

Data Analyst and Machine Learning Intern

Foxmula Inversion Consultancy LLP

July 2021 – September 2021

New Delhi, India

- Led the development of house price prediction models using **Python**, **Scikit-learn**, and **XGBoost**, enhancing accuracy by 25% and reducing processing time by 30% through **optimization** and **model compression techniques**.
- Achieved 90% accuracy in **predictive analytics** by integrating key features with **Pandas**, **NumPy** and **Matplotlib**, ensuring reliable **forecasts** based on attributes such as location, size, and number of bedrooms.

ACADEMIC PROJECTS

Loan Eligibility Prediction | *Python, Logistic Regression, Random Forest, Scikit-learn, Pandas, Matplotlib*

- Developed a **machine learning** model to predict **loan eligibility** using features like **income**, **credit score**, and **loan amount**, improving prediction accuracy by **20%**. The model streamlined the **loan approval process**, reducing risk and enhancing decision-making efficiency.

Predicting Credit Card Approvals | *Python, Decision Trees, Random Forest, Scikit-learn, Pandas, Matplotlib*

- Built a **machine learning** model to predict **credit card approvals**, optimizing approval decisions and achieving **85% accuracy**. The model utilized financial features to help **financial institutions** automate and improve their **approval process**.

Sales Analysis | *Python, Pandas, Matplotlib, Seaborn, Excel*

- Conducted **sales data analysis** using **Python** and **Pandas**, identifying key trends and generating actionable insights to improve **sales strategies**. Visualized data with **Matplotlib** to enhance business decision-making, improving overall sales by **15%**.

911 Call Analysis | *Pandas, Matplotlib, Python*

- Conducted 911 call data analysis using **Pandas**, and **Matplotlib**, identifying trends in **emergency types**, and geographical hotspots for optimized resource allocation and understanding **trends** through graphs in 911 calls.

SQL pipeline with Power BI | *SQL, Power BI, DAX, SQL Server, Excel*

- Built a comprehensive **SQL pipeline** to extract and transform data, integrated with **Power BI** for **real-time reporting** and **interactive dashboards**. This improved **data-driven decision-making** by **30%** for key business metrics.

Time Series Analysis for stock price forecasting | *LSTM, CNN, Bidirectional LSTM, GRU, Python, TensorFlow, Keras*

- Engineered 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 solutions.

Operations Head, ECELL HMRITM

HMR institute of Technology and Management, GGSIPU

May 2022 – June 2023

New Delhi, India

- Orchestrated and executed **high-impact entrepreneurial events**, workshops, and conferences, increasing attendee engagement by 40% and boosting post-event revenue by 25%, while demonstrating strong **logical thinking skills** to address challenges during strategic planning and execution, **reducing the risk of mismanagement** by 60% for improved community development.