Himanshu Kesarvani
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EXPERIENCE

- **HSBC** — Hyderabad, India
  BI-Data Scientist — *Jan 2023 - Present*
  - **Risk Ops AQuA**: Risk Ops AQuA team works on automation using machine learning algorithms and AI tools
    - Worked on text summarisation for bank application and policy documents of different categories using BERT, NLP
    - Working on creating a data pipeline to automate document collection in order to provide a final summary.

- **Oracle India Pvt. Ltd.** — Hyderabad, India
  Data Scientist — *Apr 2019 - Dec 2022*
  - **Infinity**: Oracle Infinity is a digital analytics platform for tracking, measuring, and optimizing the performance and visitor behavior of enterprise applications
    - Developing Predictive User Engagement Model to identify bottleneck in the application
    - Improving model response time for high traffic applications
  - **Doc-Bot**: Doc-Bot is a chatbot which help user to get question answer without going through documentation
    - Developed a NLP model using Python, BERT to answer the question regarding documentation queries
    - Trained model with documentation data and allowed services to communicate with model
    - Added feedback loop to alert customer service if a user doesn't find info he is looking for
  - **Social Network**: Oracle Social Network is a secure private network that provides a broad range of social tools designed to capture and preserve information flowing between people, enterprise applications, and business processes.
    - Developed Topic Modeling using Python, LDA algorithm for social media messages for enterprises
    - Built model to handle real-time data and providing trending topics and generate reports
    - Created sentiment analysis model based on the inflow data so that service representative can address the problem understanding the sentiment

- **Development Bank of Singapore** — Hyderabad, India
  Analyst — *May 2017 - Mar 2019*
  - **Hiring Biases**: Built a classifier model to find biases in the hiring process
    - Created a model using Python, XGBoost algorithm to predict biases introduced by interviewer
    - Create another model using Python, Random Forest Regressor algorithm to find candidate fitment percentage
    - Worked with HR team to address the biases and providing equal opportunity for each candidate

- **Ekincare** — Hyderabad, India
  Software Engineer — *Sep 2015 - May 2017*
  - **Ekincare Application**: Integrated health benefits platform
    - Developed model to extract information from different type of medical reports using Python,OCR, NLTK
    - Developed lifestyle recommendation system based on medical history

- **MAQSoftware** — Hyderabad, India
  Software Engineer — *Jan 2014 - Sep 2015*
  - **Target Customer Segmentation**: Customer Segmentation based on their purchasing behavior
    - Created and tested model for different type of customers for enterprise applications

EDUCATION

- **Indian School of Business** — Hyderabad(TS), India
  Advanced Management Programme in Business Analytics — *Feb. 2019 – Jul. 2020*

- **Kamla Nehru Institute of Technology** — Sultanpur(UP), India
  Bachelor of Technologies in Computer Science and Engineering — *Sep. 2009 – July. 2013*

COLLEGE ISB PROJECTS

- **AI Chatbot(Capstone Project)**: Chatbot to resolve student query and provide recommendation
  - Developed model to find answers asked by students using video analysis and BERT model
  - Developed Flask application, Chatbot UI integrated with the ML model and deployed to cloud

SKILLS

- **Skills**: Machine Learning, Deep Learning, Visualization, Statistical Analysis, NLP, Data Mining, Data Wrangling

- **Languages & Technologies**: Python, R, Scala, SQL, Spark, Oracle Cloud, Docker

- **Libraries**: NumPy, Pandas, scikit-learn, NLTK, Gensim, Matplotlib, Seaborn, ggplot, Shiny, TensorFlow