

# Shilpa Angadi

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## Summary

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Experienced Senior Data Scientist with experience in Generative AI, skilled in extracting insights from complex datasets and translating them into actionable strategies. Experienced in data manipulation, feature engineering, optimization and algorithm development. Passionate about staying abreast of emerging trends and technologies in the field.

## Employment History

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### Sanelo - A Santa Fe Relocation Company | Maharashtra, pune

Senior Data Scientist | 07/2022 - 09/2023

- Analyzed large-scale customer datasets to identify trends, patterns, and customer segments, resulting in improved targeting and personalized marketing campaigns.
- Led R&D efforts to create novel AI models and algorithms, resulting in a 25% increase in model performance.
- Provided expertise in NLP, including sentiment analysis, chatbot development, and language translation.
- Collaborated with cross-functional teams to integrate generative AI models into products and applications, enhancing user experiences.
- Conducted data preprocessing, feature engineering, and model evaluation to ensure robust and scalable AI solutions.
- Acted as a subject matter expert on cloud migration and Analytics, providing guidance and training to junior data scientists and cross-functional teams.

### Beekin Inc | Maharashtra, pune

Data Engineer / Scientist | 11/2019 - 06/2022

- Developed predictive models using ML Time Series algorithms to forecast property prices, rental rates, and demand trends, aiding in investment strategy formulation.
- Implemented statistical models to identify property value fluctuations, enabling timely adjustments to pricing strategies and to assess property market trends, buyer preferences, and competitive landscape
- Utilized advanced geospatial analysis techniques to assess property location suitability, proximity to amenities, and market competitiveness.
- Conducted more than 10 A/B tests to evaluate the impact of new features on user engagement, leading to a 20% improvement in click-through rates.
- Developed automated reporting dashboards using Power BI, providing stakeholders with real-time access to key performance indicators.

### Bonfleet Solution Pvt Ltd

Data Engineer / Scientist | 04/2019 - 11/2019

- Developed ETL scripts using Python and SQL to extract and transform data from various databases, ensuring data consistency and integrity.
- Created a highly configurable system for training and back testing models based on point-in-time financial data (Uber financial Large Data ~ 1 TB) using AWS Services
- Collaborated with cross-functional teams to analyze data, extract insights, and build data pipelines with Data flow and BigQuery, resulting in improved decision-making.
- Set up monitoring and alerting using Stack driver to proactively identify and address performance bottlenecks.
- Built customer attrition Random forest model that improved monthly retention by 10 basis point.
- Collaborated with data engineers to optimize data pipelines and improve model training speed by implementing distributed computing with GCP's Dataflow and Dataproc.

### Toptal | Maharashtra, pune

Python ML Developer | 01/2015 - 03/2019

- Planning of MVP for the platform of stock portfolios with continued rebalancing based on live financial data.
- Extensive knowledge of blockchain technology, cryptocurrency, and decentralized applications (DApps).
- Performed smart contract auditing and security analysis to ensure the reliability and integrity of blockchain applications.
- Set up the GCP-based infrastructure, including a Docker-based CI/CD pipeline for both the UI and back-end service, a Kubernetes engine for parallelizing long-running worker processes, worker queues (PubSub), and scheduled tasks.
- Implemented user authentication and access control mechanisms to ensure data privacy and security.
- Contributed to the development of blockchain-based decentralized finance (DeFi) applications.

## Professional Skills

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Programming Languages:Golang, C++, Python, R, Scala , Java |, Data Analysis: Pandas, NumPy, SciPy, Scikit-Learn|, Data Warehousing: Snowflake, Redshift,Postgres, SAP HANA |, Data Visualization: Matplotlib, Seaborn, Tableau, Plotly|, Big Data Tools: Hadoop, Spark, Hive, Pig,Flink, Storm |, AWS (,S3,Athena, RedShift, Glue, Kuberflow,EC2 ), GCP (DataProc,Data Studio ,Vertex AI, BigQuery , Pub/Sub)|, Statistics :Bayesian , A/B , Hypothesis Testing |, Excel, Graphana,Power BI, DBT , ETL, Blockchain : Ethereum, Bitcoin, Smart Contract Development, Tools: Jupyter Notebook, Git |Databases: SQL, NoSQL|, ML: Regression,Classification, Clustering,(NLP),Time Series|, Reinforcement Learning |DL: CNNs,RNNs, Transformers|, NLP:Text Generation, Sentiment Analysis, LLM |, Deep Learning : Pytorch , Keras , Tensorflow, Keras|, Version Control: Git, SVN | Docker , Kubemeter, Flask |, Generative AI :GAN, VAEs |Optimization|, NLP:Text Generation, Sentiment Analysis, LLM , BERT, GPT|

## Education

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**Birla Institute of Technology and Science**  
**M.Tech in Data Science and Analytics**

**Visvesvaraya Technical University**  
**BTech in Computer Science and Engineering**