Sachin Gupta

ML, NLP & CNN Engineer| RL Enthusiast

Pimple Saudagar, Pune, Maharashtra, India, Pin code-411027

📞 (+91)843-192-1947/928-467-6539 @ sachingupta.itm@gmail.com 🔗 Sachin-data science 🐙 Github

Profile Summary

- **MTech in AI** from BITS Pilani,**9.4** CGPA,2022
- Symantec 2018 ML **Hackathon winner**
- Received **31** recommendations on LinkedIn
- **8**+ Years of experience in AI team Leadership
- 7+ years of experience in stakeholders management
- 2+ years of experience as Head of Data & AI COE
- 7+ AI large deals wins & 5 upsell in a last 2 years

12 years exp in Data& AI

- ✔ Experience in Business Analysis, Data Analysis, Data Wrangling, Machine Learning, NLP Predictive Modeling, CNN, Design, Development, Testing, & Deployment, and Project Manager (Technical Lead).
- ✔ Key strengths **influencing stakeholders ,winning orders and Innovating** AI services & products.
- ✔ 12 years of extensive research and development experience in data science, data analytics tools & technologies.
- ✔ Delivered **30 projects**, **5+** Data analytics, **10+** Machine Learning, **6** NLP projects, **4** CNN Projects, and **7+** AI-driven products.
- ✔ Presented AI & Cloud business automation Solutions to Clients, Sales teams, Business teams, Development teams, Directors, VP, and CEO which helped to sign off the **650k$ SOW** of 7 proposals in ~2 years and upsell 5 existing clients.
- ✔ Extensive experience in making pre-sales proposals, POCs, requirement gathering, design, estimation and implementation.
- ✔ Strong understanding of Data Modeling, Real-time Data Ingestion, Data Reporting, Big Data, ML/AI Pipeline & MLOps.
- ✔ Played many roles like **Head of Data & AI COE, Product Manager, Growth Strategy maker , Scrum master etc.**
- ✔ Improved the Product by adding AI enabled automation which helped to sell product **2X time** faster.
- ✔ Trained and mentored the other AI teams to deliver the right quality of solutions to customers.
- ✔ Experience in white paper, creation blog, content writing and Help M.Tech students and Market research in publication.
- ✔ Technology conference speakers like Devops, Alops, Data analytics, HR & content analytics, and Business Automation.

Technical Skills

Machine Learning Regression, Classification, Clustering(K-means), Time Series modeling, Recommendation System

Natural Language Processing tfidf, word2Vec, Rouge L, Bleu score, Spacy, T5, BERT, ROBERTA,GPT3, Elastic search

Deep Learning ANN, RNN, LSTM, Bi-LSTM, Autoencoders, GAN, Transformer, MaskRCNN

Statistics Hypothesis testing, T-test, Z test, ANOVA (F test), Chi-square test, Mann-Whitney test (U-test)

Programming Language C, C++, Python, R, PySpark, Scala, SAS, SQL, GO

Other Areas of AI Federated Learning, Schedule Optimization, Survival Analysis

AI Framework Tensorflow, Keras, Pytorch

AI Cloud Platform AZURE ML, Cloudera Data Science Workbench, AWS-SageMaker, SPARK ML, Google Dialogflow, Yellow.ai

Real Time Streaming Flume, Kafka, Kafka Streaming (FAUST), Spark streaming 3.1, AWS Kinesis, Druid

Visualization Tableau, SAP BO, Qlik Sense, SAP Lumira, Einstein Analytics, PowerBI, Klera, Quick sight , Mongo Chart

Database Oracle, SQL Server, Teradata, Vertica, SAP HANA, SAP BW, HIVE, Azure HDInsight, MongoDB, Cassandra

AIOps Flask, Docker & Kubernetes, AWS Beanstalk, Aws Lambda, Step Function, Azure function, Zappa, Jenkins, EC2, FAST API, Gunicorn, Ngnix, CICD pipeline implementation, Apache Airflow, MLFlow, Terraform, AWS ECR & ECS, WS02,Sagemaker

Business Data Systems Oracle ERP, Salesforce, Duns & Bradstreet (D&B), Standard & Poor Global (S&P)

Domain Supply Chain, landing, Healthcare, Legal, B2B Banking, HR Tech, Ed Tech, Mobility, Content Tech

Software Tools Jupyter, Git, Spyder, PyCharm, Excel, R studio, Putty, Winscp, Hue (Hadoop File browser), Postman

Operating System Windows 10&11, Ubuntu 18.04, Centos , Mac

Certification & Awards

- Won **30 Badges & awards** for delivered AI work and mentored the AI project Team in Harbinger.
- Won **11 awards** in Symantec on delivered Analytics solutions using R, Qlik Sense, ML, and SAP BO.
- 6 certifications in ML, NLP, CNN, and sequence modeling from Coursera using TensorFlow & Keras.
- Analytics & AI tools certified (Yellow.AI, Klera,SAP BO, SAP HANA)

Experience

Veritas pvt. Ltd.   Pune, India
Manager, Development (Predictive Insights)   Feb 2023- Till Date

- Managing 20 data scientist & analytics team and defining the strategy to add new AI/ML feature to product
- Innovating new product feature ideas and taking that to production
- Playing role of scrum master and Making sure of smooth deployment of product with new AI/ML enhancements
- Build the forecasting engine to help customer to understand future storage requirement of data backup
- Build anomalies detection system to alert on CPU utilization, No of job etc. This will help customers to improve their appliance manageability.
- Build word search capability to reduce Case TTR(Total time to resolve) by **50%**.

Previous Experience

Harbinger (2 yrs.)	**BancTec (1.3 yrs.)**	**Symantec (2 yrs.)**	**Brillio (1.4 yrs.)**
Architect Data & AI	**Wolters Kluwer (1 yrs.)**	**Capgemini (1.6 yrs.)**	**CGI (3 yrs**.)

- Recommend the candidate for a Job using BERT & weighted Avg technique and feedback loop for continuous improvement of the Model and was able to reduce **80%** effort of hiring managers for candidate searching.
- **Survival Analysis model** for Heart failure patients using medical conditions, Treatment & device variables and was able to **sign off the Big healthcare project** by showing the demo.
- Lead NLP based product development of Digital notes creation doctor-patient conversation using NLP and **Recommendation of ICD 10 & CPT code** recommendation system.
- Working on content curation AI framework products which will help in advance search using elastic search & NLP.
- Made Vehicle trip image data pipeline using Samsara API and python and Detected the High Flagging for-Taxi drivers using Custom Pixellib model. It aided Kaptyn in increasing revenue by **~4 to 6%**.
- Developed the Contactless Attendance system using Media pipe, OpenCV, and CNN which helped the client launch an AI-driven attendance system product.
- Build algorithms to optimize schedule trips with different business constraints like pad time, shift pad time, and max_hours_shift.
- Optimized the Electric vehicle charging schedule. Customers were able to reduce **90%** of manually scheduling work.
- Directed Indian judgment case summarization AI product using NLP and won 2 overseas **50K$** clients.
- Mentored the Redaction AI product creation and won 4 overseas **120k$** clients.
- Implemented the contract Management extraction using NLP architecture like Spacy, Transformer, BERT & T5 and fine tuned the final model using a GPU-based machine. We were able to **reduce the 60%** manual extraction efforts.
- Added forecasting Chronic disease claim count prediction in existing healthcare Data analytics products and the team was able to **win 1 overseas healthcare client** using the same.
- Did the analytics on more than **50 GB of data** on the **Hadoop** cluster of Cloudera Data Science Workbench. Able to help the organization improve the **UCC filing** product business to **4+% by using the** prospecting solution and Market opportunity dashboard.
- Attrition Model using XGBoost for predicting the list of customers which is going to attrite in the next 6 months using this sales rep was able to **reduce the 80% $ value of the attrition**.
- **Promoter & the Detractor's customers** finding using AI which Sale Rep to improve marketing strategy and **compliance business by 2%**.
- Authored various dashboards using SAP BO, Qlik Sense, SAP Lumira, and Tableau. Received various **appreciation for providing the visualization solution** along with AI prediction results to improve decision-making.

Education

M.Tech in Data Science , **9.4 CGPA**   BITS PILANI (**March 2020 - March 2022**)
Bachelor of Engineering in IT; **74%**   R.G.P.V University

Personal Information

Hobbies: Playing Guitar, writing songs & making compositions   **Passport & Exp Date**: Yes & 21/08/2026
VISA: US B1-Visa (expire in 2028)