**SACHIN GARG**

Bengaluru, India | [sachin03garg@gmail.com](mailto:sachin03garg@gmail.com) | +91-7987717667 | in/sachin03garg

**Experienced Analyst and Artificial Intelligence Expert**

Analytics Consultant with 5 years consulting experience, including 3 years experience delivering analytics solutions to global clients across Financial, Manufacturing, and Energy Industries and 4 years experience as a Subject Matter Expert in Artificial Intelligence, leveraging data to answer scientific and business questions.

**SKILLS**

**Technical:** Mathematics, Statistics, Machine Learning, Neural Networks, Natural Language Processing

**Libraries:** Python (scikit-learn, pandas, NumPy, matplotlib, and seaborn), Keras, TensorFlow, PyTorch, Spark MLlib,

**Tools:** PyCharm, Git, Bitbucket, Tableau, RStudio, JIRA, MS Excel, MS PowerPoint

**Data Processing:** SQL, Apache Spark, Hadoop, Hive, Pig

**Soft Skills:** Writing, Project Leadership, Emotional Intelligence

**EXPERIENCE**

**Analyst** December 2020 to May 2021  
**Analyttica Datalab Pvt. Ltd.** Bengaluru

* Analysed business requirements and processes through research, interviews, and workflow analysis for 2 clients.
* Collaborated with product and development teams to identify key requirements, developed and demonstrated technical solutions to non-technical audiences, and grew customer base by 100%.
* Provided code reviews and subject matter expertise, identified approx. 50 potential issues to reduce technical debts leading to product optimization.
* Served as a point of contact for professional development and enhancement of products and contributed to accelerated accumulation of industry knowledge through presentations and discussions.
* Discovered and resolved production problems, assessing alternatives and implementing long-term solutions for 8 major issues.

**Innovation Fellow**  July 2018 – November 2020  
**NIF (Govt. of India)** New Delhi

* Built 2 AI tools to provide real-time solutions and developed computer vision and natural language processing models in Python.
* Analyzed data outputs and compiled research papers for scientists and conducted optimization and operations research and presented findings to senior government officials.
* Applied Data visualization methods to produce reports and polished presentations, highlighting key findings and recommending changes.
* Provided analytical support for the launch and management of 3 large-scale projects and 1 mid-scale project.

**Research Assistant**  July 2016 – June 2018  
**IIT Indore**  Indore

* Collaborated with a team of PhDs, graduates, and faculty in signal processing and machine learning domain to develop new algorithms for Speech Veri cation using Neural Networks.
* Managed and implemented a data collection system for research on fingerprint analysis using pores detection of 150 individuals.
* Wrote Python and MATLAB code to implement a state-of-the-art machine learning algorithm for Speaker verification using advanced mathematics.

**EDUCATION**

**Master of Technology (M.Tech)** - IIT Indore • July 2016 – June 2018 • CGPA - 9.4

**Bachelor of Technology (B.Tech)** - Amity University Rajasthan • August 2011 – June 2015 • CGPA - 6.53

**XIIth** – Army Public School • Mathura • June 2010 – May 2011 • Percentage - 90.6%

**Xth** – St. Dominics Secondary School • Mathura • June 2008 – May 2009 • Percentage - 92.83%

**PUBLICATIONS**

**Garg, S.,** Bhilare, S. and Kanhangad, V. "Subband Analysis for Performance Improvement of Replay Attack Detection in Speaker Verification Systems" presented and published in Fifth IEEE International Conference (ISBA-2019) {January, 2019 at IDRBT, Hyderabad, India – **Machine Learning, Deep Neural Networks, Python, MATLAB**