SUSHANT SHAMBHARKAR

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About Me

A Software Engineer/Data Scientist with 7+ years of industry experience. Worked both as a collaborator and individual contributor on small and large-scale projects. More of a problem solver than a technical expert. Have good collaboration skills, can work with tight deadlines and always prioritize delivery.

Work Experience

- **Google** (Nov'20 - Sep'21)
  *(Project: **Mendel** | Department: **Google Cloud** | Designation: **Software Engineer**)*
  Worked on enhancement in Mendel tool which handles experiment flags for code changes in different environments. Achieved 25% reduction in commit rollback and 15% reduction in bugs caused by recent code changes.

- **Google** (Dec'19 - Oct'20)
  *(Project: **Novitas** | Department: **Google Cloud** | Designation: **Software Engineer**)*
  Worked on user behavior analytics. Planned and implemented A/B tests and analysed data for feature selection. Increased long term customer retention by 7% and short term customer retention by 10%.

- **Goldman Sachs** (May'19 - Dec'19)
  *(Project: **NEON Search Engine** | Department: **Compliance** | Designation: **Data Scientist**)*
  Created internal search engine which process real time emails using Flink and derives ML signals. Built ETL pipeline using HBase & HDFS. Wrote MapReduce jobs for offline processing.

- **Goldman Sachs** (Aug'18 - Apr'19)
  *(Project: **Email Analytics** | Department: **Client Experience Engineering** | Designation: **Data Scientist**)*
  Designed and implemented ML models which prioritize client emails by extracting parameters like Sentiment, Urgency, Politeness, Formality, etc. using NLP and leveraging advancements in Transfer Learning like UMLFiT from FastAI and BERT from Google.

- **Schlumberger** (Jan'18 - Aug'18)
  *(Project: **Activity to Demand** | Department: **Analytics** | Designation: **Analytics Engineer**)*
  The objective was to predict resource demand for future jobs by using previous job activity data. Worked as Full-Stack Data Scientist, built ETL pipeline, trained ML models and produced visualized output.

- **Persistent Systems** (Oct'17 - Nov'17)
  *(Project: **Aluminum Foil Quality Prediction** | Department: **Analytics** | Designation: **Module Lead**)*
  Built a model to find important factors which were affecting the quality of the aluminum foil.

- **Persistent Systems** (Aug'13 - July'15)
  *(Project: **Mobile Workforce Management** | Department: **Location Product** | Designation: **Software Engineer**)*
  Designed and implemented various functionalities in Cloud-enabled field workforce management platform that provides real-time access to current location and historic trail of field workforce.

Education

Master of Technology, CSE, IIT Bombay, 8.0 (July'15 - Aug'17)
Bachelor of Engineering, CSE, Nagpur University, 69.0% (Aug'09 - July'13)

Technical Skills

Java, Python, Keras, TensorFlow, Gitlab, Pandas, Kafka, spaCy, Spark, Hadoop, HTML, Bash, MS Excel, Flink, HBase, MapReduce, Guice, LaTeX, Docker, Hive.

Areas of Interest

NLP, ML, AI, VR, Reinforcement Learning, Deep Learning, Computer Vision, Algorithms, Data Structures, Competitive Coding, Functional Programming, Big Data, Quantum Computing, Blockchain, System Design.

Achievements, Activities and PORs

- Won "You Made a Difference" award in Persistent System. (Dec'14)
- Scored 99.51 percentile in GATE 2015 among 115425 registered students. (Mar'15)
- 1 Gold, 6 Silver and 10 Bronze medals from HackerRank Live Competitions. (Dec'2016)
- Mentored and taught programming to 25 students from BTech batch of IITB. (Jun'2017)
- Mentored 10+ junior engineers and conducted 30+ interviews in Schlumberger, GS and Google. (Sep'21)
- Managed to list down all my life achievements in one page. (Feb'22)

Portfolio

- **LinkedIn:** https://www.linkedin.com/in/sushant-shambharkar-b6242658
- **Github:** https://github.com/sam1064max
- **HackerRank:** https://www.hackerrank.com/sam1064max