Pulkit Singhal
Curriculum Vitae

INTERESTS

Data Science, Machine Learning, Natural Language Processing (NLP), Deep Learning, Cognitive Science, Research, AIForGood

WORK EXPERIENCE

Software Engineer, UBS [June 2017 - Present]
I work for DataScience team in Technology Operations Center.

- **Roles and Responsibilities:**
  - ☐ Responsible for researching on challenging datascience use-cases and building business solutions with the datascience stack available in UBS.
  - ☐ Python / Shell scripting for data preprocessing, EDA, and process automations.
  - ☐ Suggesting strategic business decisions in order to drive data solutions.

- **Text Classification Models:** Developed NLP models single-handedly for incident ticket clustering and chat channels. Objective was to mine hot ticket patterns from unstructured ticket data in ServiceNow and identify major demand drivers from live chat channels respectively.

- **Splunk Engineer / Python Developer:**
  - ☐ Implemented Autosys Jobs dependency model to predict the ETAs for Critical SLA endjobs by implementing DFS in a Python based custom search command.
  - ☐ Developed configurations for log management in Splunk.
  - ☐ Automated configuration development by using custom scripts in python.
  - ☐ Developed Dashboards / Glasstables and reporting based visualizations on Splunk.

- **Technology / libraries used:** Python, Shell Script, Splunk, Alteryx, Tableau, Cloudera(HDFS, Hue, Sqoop, Impala), Pandas, NLTK, Tensorflow, Scikit-learn, Matplotlib

RESEARCH PUBLICATIONS

Do Pitch and Space Share Common Code?: Role of feedback in SPARC effect.
Pulkit Singhal, Aditya Agarwala & Priyanka Srivastava
Proceedings from Cognitive Science Society (2018).

Does Feedback Influence SPARC Effect?
Pulkit Singhal, Aditya Agarwala & Priyanka Srivastava
Annual Conference of the Association for Cognitive Science, 2016

Do Pitch and Space Share Common Code?
Pulkit Singhal, Aditya Agarwala & Priyanka Srivastava
KogWis 2016: Space for Cognition

+91 7988417358
singhal.pulkit7@gmail.com
https://www.linkedin.com/in/pulkit-singhal-35468147/

MASTERS THESIS

Spatial Representation of Pitch
The study focuses at investigating Pitch-Space mapping by employing Stimulus-Response Compatibility paradigm - also known as the SPARC (Spatial Pitch Association of Response Codes) effect. We manipulated feedback, loudness equalization and blindness to see their influence on the SPARC effect.

EDUCATION

2017	**B.Tech & Masters - Dual Degree** COMPUTER SCIENCE, COGNITIVE SCIENCE LAB International Institute of Information Technology, Hyderabad, India. *CGPA - 6.39*
2007	**Higher Secondary (CBSE)** M.R.A Sec. Model School, Chandigarh. *87%*
2005	**Secondary (ICSE)** St. Kabir Public School, Chandigarh. *92.5%*

TECHNICAL SKILLS

Programming Languages	C, C++, C# (Moderate)
Scripting Languages	Python, MATLAB
Operating Systems	Linux, Windows
Others	SQL, Splunk, Alteryx Tableau, GIT, Unity3D SPSS, LaTeX, PsychoPy

ACHIEVEMENTS

- All India Rank 2586 (top 0.4%) in AIEEE 2007.
- Led a team of 6 to win Best Business Usecase in UBS Hackathon, 2018. Developed VR environment for HR floorwalk in Unity3D.
- Presented poster at Spatial Cognition, 2014 held at Universitat Bremen, Germany.
- Awarded scholarship by University of Amsterdam to attend Summer school on MultiSensory Integration and Synaesthesia, 2015 (UvA)
- Coordinator of the rock fest "Riders on the Storm", Felicity 2010, IIIT-H.
- Guitarist for the progressive metal band Karmic Blend.