PRITHWISH MUKHERJEE
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ACADEMIC DETAILS

Bachelor of Technology (Honours), Computer Science and Engineering (2012 - 2016)
Indian Institute of Technology, Kharagpur,
CGPA: 9.75 / 10 (Highest GPA in class of 2016)

WORK EXPERIENCE

- *Software Engineer, Google Mountain View, USA (March, 2021 - present)*
  - Tech lead for logging infrastructure, analysis and reliability tools for **Google Assistant in Automobiles**.
- *Software Engineer, Google India (November, 2018 - March, 2021)*
  - Tech lead for **Google Voice search** client infrastructure.
  - Tech lead for **Google Assistant features** in emerging markets, showcased in **MWC 2019 and GoogleForIndia 2019** events.
- *Software Engineer, LinkedIn India (July, 2016 - November, 2018)*
  - Tech lead for **content classification team and member of global privacy team**.
  - Part of a 5 member team to launch **global incubation projects**.
- *Summer Internship at LinkedIn India (May, 2015 - July, 2015)*
  - Improvement of spam classifier precision and optimizing model training time.
  - Internal tool for identifying the spam type distribution on the website.
- *Summer Research Internship (May, 2014 - August, 2014) under Professor Anjan Sarkar, Department of Mathematics, IIT Kharagpur*
  - Contributed to a novel approach for robot pose estimation combining the concepts of particle filter, loop closure and fuzzy landmarks (**resulting in a publication**).

ACHIEVEMENTS

- **President of India Gold Medal** for securing highest academic grade (**CGPA: 9.75 / 10**) among all graduating students from the class of 2016, IIT Kharagpur.
- **Best Undergraduate Thesis Award** (project presentation link) from the Dept. of Computer Science and Engineering, IIT Kharagpur.
- Secured a rank in **top 0.3%** in the India wide **IIT engineering entrance exam 2012** (with 0.5% acceptance rate).
- Secured **3rd rank** in the statewide (West Bengal, India) medical entrance exam (WBJEE Medical 2011) among 150,000 candidates.
- Selected for **ACM ICPC Regional Programming Competition (2015)**, India.

PUBLICATIONS, PATENTS AND TECHNICAL REPORTS

- Patro, J., Samanta, B., Singh, S., Basu, A., **Mukherjee, P.**, Choudhury, M., & Mukherjee, A. (2017, September). All that is English may be Hindi: Enhancing language identification through automatic ranking of the likeliness of word borrowing in social media. In *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing* (pp. 2264-2274) (link).

- Sarkar, A., Reiger, R., Chatterjee, D., Patranabis, S., Singh, H., & **Mukherjee, P.** (2016). Simulation study of a constant time hybrid approach for large scale terrain mapping using satellite stereo imagery. *Robotics and Autonomous Systems*, 79, 132-146 (link).
- **Mukherjee, P.**, Hussain, S. Z., Gupta, A., Kumar, S., & Kakkar, S. (2020). "Self-serve content classification platform". U.S. Patent Application No. 16/369,554. (link).
- Maity, S. K., **Mukherjee, P.**, Singh, R., Saxena, S., Jha, C. B., Goyal, P., & Mukherjee, A. (2017). TagM: A Content-cum-Network based Efficient Question Tag Recommendation Framework for Stack Overflow. *Technical Report* (link).
- Narayanan, A., **Mukherjee, P.** (2020). Let's cut it short - an abstractive summarization approach to outline generation. *Technical Report* (link).
- Pramanik, S., Saha, A., **Mukherjee, P.**, Patni, A., Dan, S., & Mitra, B. (2015). Modelling Retweet Dynamics using Hawkes Process-a temporal approach. *Technical Report* (link).

CERTIFICATIONS

Artificial Intelligence Professional Certificate (2020-2021)
Stanford Center for Professional Development

PROGRAMMING

- Proficient: **Java, SQL**
- Intermediate knowledge: **C, C++, Python, HTML, CSS, Javascript, Go**
- Basic knowledge: **Apache Pig, Apache Hive, LaTeX, Hadoop**

RELEVANT UNDERGRADUATE COURSES

- Programming and Data Structures, Algorithms-I, Software Engineering, Compilers, Computer Architecture, Algorithms-II, Database Management System, Operating Systems, Computer Networks, Information Retrieval, Machine Learning, Natural Language Processing, Artificial Intelligence, Social Computing, Formal Language and Automata, Theory of Computation, Complex Networks, Distributed Systems.