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.

EXTRA CURRICULAR ACTIVITIES

- Four semesters (July, 2012 – April, 2014) of social service as a part of National Service Scheme (NSS), IIT Kharagpur.

  - Contributed towards improving infrastructure of a rural school.
  - Attended Annual NSS Winter Camp in December, 2012.