

Sachit Gaudi

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EDUCATION

Indian Institute of Technology, Kharagpur

Hyderabad, India

Certificate in Foundations of AI/ML

Apr 2019 - Sept 2019

- Relevant Courses: Linear Algebra for Machine Learning, Probability, Statistics, Machine Learning, Information Retrieval, Natural Language Processing, Image Processing.

Indian Institute of Technology, Guwahati

Guwahati, India

B.Tech in Mechanical Engineering; CGPA: 7.30/10

July 2014 - May 2018

- Relevant Courses: Linear Algebra, Data Structures and Algorithms, Calculus, Differential Equations.

WORK EXPERIENCE

Reliance Jio Haptik

Mumbai, India

Software Development Engineer, Conversational Commerce team

Jan 2020 - present

- Developed search and commerce module of Haptik, from Knowledge graph parsing to showing results based on user intent, which includes semantic parsing, intent detection.
- Implemented back track algorithm to improve Intent detection and Tf-idf to improve Search.
- Developed personalization of recommended products using collaborative filtering. Implemented multi-task BERT-based transformer model, trained on product labels, Named entities and Intent label data.

SmatBot

Hyderabad, India

Lead Backend Engineer

Jan 2019- Jan 2020

- Took responsibilities of Architecture and Database design. Developed Analytics, Reseller, Integrations, and Multilingual modules for SmatBot product
- Improved recommendations of Media Articles for Clients' social media for SmatSocial product

PROJECTS & RESEARCH EXPERIENCE

Indian Institute of Technology, Kharagpur

Hyderabad, India

Self-Supervised Image Search for e-commerce — Dr. Subrat Panda

Sept - Oct 2019

- Implemented Triplet Pair Siamese Network with base model an ensemble of VGG16 and less dense CNN trained with hinge loss. Achieved 10% recall on catalogue data compared to the 7% of traditional algorithms. Major improvement was observed for the out-of-distribution data.

Indian Institute of Technology, Guwahati

Guwahati, India

Dislocation Dynamics Simulations using ParaDiS (Bachelor Thesis) — Prof. Prasenjit Khanikar

July '17 - May '18

- Study of the material properties under stress. Performed dislocation dynamics simulations under different initial configurations, such as Temperature, Quasi-static conditions, and Crystal structures, etc.
- Verified the results with the theory and discussed the reasons along with the experimental results obtained in the research.

Saint Joseph's University

Philadelphia, PA

Translation of hotel reviews into Actionable Business Intelligence. — Prof. Vipul K. Gupta

May - July 2017

- Performed Sentiment Analysis using VADER sentiment algorithm and assigned sentiment values to the aspects. Measured how reviews along aspects affect occupancy rate in hotels. Achieved an accuracy of 85% showing a strong correlation.

SCHOLASTIC ACHIEVEMENTS

2022 - Selected for CVIT summer research school at IIIT Hyderabad. (July - Aug 2022)

2020 - Received Big Hand award from Haptik for exemplary performance.

2019 - Received Scholarship based on Merit from IIT, Kharagpur.

2014 - Secured Joint Entrance Examination All India Rank of 2240 among 1.5 million candidates appearing for the test.

SKILLS AND INTERESTS

Programming: Python, C++, Java, PyTorch, transformers.

Research conferences: EMNLP 2020, CVPR 2022.

Interests: Books, Running, Tennis.