CHAHAT BANSAL

Ph.D. Scholar @ IIT-Delhi

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RESEARCH PROJECTS ADVISOR: DR. AADITESHWAR SETH

Characterizing the Evolution of Indian Cities using Satellite Imagery and Open Street Maps *Best Paper Honorable Mention Award*

📅 July 2019 – Present

- This project synthesizes two freely available datasets of satellite imagery and road information to develop a series of standardized indicators for different aspects of urbanization [publication]

Temporal Prediction Of Socio-Economic Indicators Using Satellite Imagery

📅 May 2019 – Present

- Use of satellite data for fine grained spatial and temporal analysis of factors that lead to economic growth and development | Published in 7th ACM IKDD CoDS and 25th COMAD [publication]

Making Big-Data Actionable Through Bottom-Up Contextual Information

📅 July 2019 – Present

- Giant Economy Monitor leveraging data from Satellites, Census, and Mass Media for actionable insights to citizens | Published at Young Researcher's Symposium in 7th ACM IKDD CoDS and 25th COMAD [publication]

Understanding The Migration Patterns In Indian Districts

📅 January 2020 – Present

- Use of the Indian census and satellite-based predictions of the socio-economic indicators to test different hypothesis related to the patterns of migration within India

ACADEMIC PROJECTS

ATARI BREAKOUT EPISODE REWARD PREDICTION

Advisor: Dr. Parag Singla

📅 2019

- Implementation of CNN-based and PCA+SVM based machine learning models for prediction. The neural network implemented using Keras library

USER RATING PREDICTION USING TEXT REVIEWS

Advisor: Dr. Parag Singla

📅 2019

- Implementation of a Naive Bayes model to predict Yelp ratings from text reviews

ReXplore

Advisor: Prof. Suresh Chand Gupta

📅 2019

- A PHP web application that serves as an intra-departmental exploration platform for research enthusiasts. The purpose is to make research in a department more interactive and fellow researchers more approachable. The core functionalities include profile management, event calendar management, recommended publications' repository and dedicated search

EDUCATION

Ph.D. in Computer Science

📅 Jul 2018 – Present   📍 IIT, Delhi

CGPA: 9/10

Master of Computer Applications

📅 2015 – 2018   📍 GGSIPU, Delhi

Score: 90.7%

B.Sc.(Hons) Computer Science

📅 2012 – 2015   📍 Delhi University, Delhi

Score: 87.49%

RESEARCH INTERESTS

ICTD   AI for Social Good   NLP   Applied ML   Applied Data Science

SKILLS [*:FAMILIAR]

Python, PHP, C#, C++, C, Java*, HTML, CSS, JS, JQuery*, Bootstrap

EXPERIENCE

Teaching Assistant

Indian Institute of Technology-Delhi

📅 Jul 2018 – Present   📍 Delhi, India

- Introduction to Computer Science, Computer Networks, Design Practices

Trainee Technology

Nagarro Softwares Pvt. Ltd.

📅 Jan 2018 – Jun 2018 📍 Gurugram, India

- Internship in full-stack web development

AWARDS

- Qualified National Eligibility Test for Junior Research Fellowship | 2017
- Intra-State Debate Winner | 2016-2017 | BVICAM
- Holistic Personality Award | 2015 | GGSIPU
- "Gem of Keshav" Award | 2015 | DU

REFEREES

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