Contact

bhargava.rupal@gmail.com

www.linkedin.com/in/rupal-
bhargava-051021105 (LinkedIn)
universe.bits-pilani.ac.in/pilani/
rupal/profile (Other)

Top Skills

Tableau

Microsoft Power BI

Data Modeling

Languages

English (Full Professional)

Hindi (Full Professional)

Certifications

Natural Language Processing with
Attention Models

Microsoft Certified Technology
Specialist, .Net Framework 4, Web
Applications

Sequence Models

Structuring Machine Learning
Projects

Natural Language Processing with
Sequence Models

Publications

BITS_PILANI_TEAM3 @ POS
Tagging for Code Mix Indian Social
Media

Query Labelling for Indic Languages
using a hybrid approach

BITS_PILANI_TEAM2 @ POS
Tagging for Code Mix Indian Social
Media

Efficient Information Retrieval for
Ambiguous Words

Bits_Pilani@INLI-FIRE-2017: Indian
Native Language Identification using
Deep Learning

Rupal Bhargava

Machine Learning | Data Science | NLP | Speech Processing | Image
Processing
Delhi, India

Summary

⁂ Rupal is a highly motivated researcher, driven by continuous
improvement and a desire to excel on all fronts. The ability to
maximize the potential of team she works for is something she
enjoys immensely, while ensuring collaboration both within and
between teams to get the best possible results.

⁂ She has completed her PhD titled "Learning-based Approaches
for Addressing Challenges in Sentiment Analysis" from Birla Institute
of Technology & Science, Pilani, Pilani Campus, which includes her
involvement in DST SERB Project titled "Design and Development
of Opinion Mining Framework" as Junior Research Fellow. Her PhD
research focused on sentiment analysis of social media text and
targeted related challenges to it. Few of the challenges addressed
were: Text summarization (extractive/abstractive), Spam detection,
Sarcasm detection, Sentiment analysis for code mixed text.

⁂ Broadly, her research interests lie at the intersection of Natural
Language Processing & Machine Learning. More specifically, she
is passionate about developing statistical models for detecting and
analysing linguistic variation in social media with the aim of enriching
user-centric and personalized natural language processing.

⁂ She has a vast experience of research and mentoring. She has
worked with more than 100 learners in guiding/mentoring their thesis
and projects in collaboration with Liverpool John Moore's University,
UK and WiSoc Lab, BITS Pilani, India. In addition to this she also
headed the R&D team of Towards Vision Technologies Pvt. Ltd for
their NLP and Machine learning related industrial projects.

⁂ She readily brings positivity and ideas to teams and challenges
alike, keeping people focused on tasks and priorities and ensuring
the highest levels of service delivery are met. She facilitates and

builds responsive and cohesive relations that are able to drive issues/solutions to achieve positive outcomes.

⁂ She's a creativity enthusiast. During her entire research journey, she's made sure to keep a part of her daily routine dedicated to learning new skills outside of her expertise, be it subject matter expertise, communication ethics or research methodologies.

⁂ Feel free to reach out to her at bhargava.rupal@gmail.com for any assistance with Natural Language Processing, Machine learning, Data Science, Image Processing or Speech Processing, etc.

Experience

Hero Vired
Faculty data science
February 2023 - Present (6 months)
Delhi, India

upGrad
4 years

Subject Matter Expert |Academic consultation
January 2023 - February 2023 (2 months)
Delhi, India

Senior Delivery Manager
March 2021 - December 2022 (1 year 10 months)
New Delhi, Delhi, India

Subject Matter Expert | Thesis Supervisor
March 2019 - March 2021 (2 years 1 month)

C-Zentrix (Towards Vision Technologies Pvt. Ltd.)
Lead Research Scientist
March 2019 - March 2021 (2 years 1 month)
Gurgaon, India

Birla Institute of Technology and Science, Pilani
Research Scholar
August 2013 - February 2019 (5 years 7 months)
Pilani, Rajasthan, India

Worked as a Research Scholar in Department of Computer Science & Information System. Pursued Ph.D being associated with DST funded project - "Design and Development of Opinion Mining Framework ". Her area of research includes Natural Language Processing, Machine Learning, Data Mining and Information Retrieval.

Department of Science and Technology
Junior Research Fellow
August 2013 - January 2017 (3 years 6 months)
Delhi, India

Worked as Junior Research Fellow for DST-SERB Project Titled, "Design and Development of Opinion Mining Framework", part of PhD Thesis.

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Education

Birla Institute of Technology and Science, Pilani
Doctor of Philosophy - PhD, Computer Science Engineering · (2013 - 2019)

Banasthali Vidyapith
Master of Technology - MTech, Computer Science Engineering · (2011 - 2013)

Compucom Institute of Information Technology & Management(Engg. College)
Bachelor of Technology - BTech, Computer Science · (2007 - 2011)