

Paras Narendranath

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Education

Aug 2020

Bachelors of Engineering, Information Science and Engineering

BMS College of Engineering, Bangalore, India

- **GPA: 9.6/10**, First class with Distinction.
- 3rd rank holder in the Department of Information Science

Research Experience

Research Intern

Aug - Dec 2019

Samsung R&D Institute Bangalore

- Publication— “Recognition of Named Entities and Categories in Text using Stacked Embeddings”
- Served as a research mentor to two undergraduate students at BMSCE.
- Curated a custom Indian-English news dataset and contributed it to open-source.
- Achieved a best-in-class f1-score of 79 on the FIRE NER dataset

Professional Experience

Analyst - Data Engineering

Sept 2020 - Present

Goldman Sachs

- Built data pipelines to reduce the firm’s personal loan decision-making expense by one-third.
- Worked on the migration of on-premise dataflows to AWS Cloud.

Intern - Full-Stack Development

Jan - July 2020

Goldman Sachs

- Worked on the Marcus Data Platform that enabled the onboarding of consumer banking workflows in the personal lending, deposits, and checking space.

Intern - Machine Learning

June - July 2018

Wafer Space

- Worked on a vehicle health prediction system using onboard sensor data to predict maintenance periods.

Publications

- **Paras Narendranath**, et al. "Recognition of Named Entities and Categories in Text using Stacked Embeddings." *2020 IEEE 5th International Conference on Computing Communication and Automation (ICCCA)*. IEEE, 2020. [\[url\]](#) [\[github\]](#)
- **Paras Narendranath**, Dhanaraj Venkatramana Kidiyoor, and Sheela SV. "Deep Reinforcement Learning based Intelligent Traffic Control System." *Available at SSRN 3834969* (2021). [\[url\]](#) [\[github\]](#)
- **Paras Narendranath**, Anurag Pachauri, Roopa R. “Hybrid Approach to Binary News Classification”. *International Journal of Advanced Science and Technology*, Vol. 29, no. 4s, June 2020, pp. 2367 -7 [\[url\]](#)

Peer Reviews [\[publons\]](#)

- IEEE Access, March 2021
- IEEE Access, September 2020 (2)
- IEEE Access, August 2020
- IEEE Access, October 2021

Academic Projects

Detection of negation in sentences | *Python, NLP* [\[github\]](#)

- A model that detects the negated portion of the text (scope) and the negating word(s) (cue).
- NSlackSSVM was used to detect the cues, ChainCRFs to detect the contextual scope.

Automated Remote Processing based Scanning module | *Android, Django, Tesseract* [\[github\]](#)

- An android app that uses OCR to extract data from the vehicle's registration card.
- Processing is done in a remote Django server, while the app only accesses the user's camera

Inconsistency Detection in Medical Annotations | *NLP, Python, Google Cloud, Django* [\[github\]](#)

- Phrase embeddings were generated from semi-manually curated medical text.
- Semantically similar medical terms were clustered to detect inconsistencies in clinical text.

Awards

- Best Paper Award, International Conference On Computational Intelligence & Data Science (*Feb 2021*)
- Winner of the Philips Data Science Hackathon (*Dec 2018*)
- Best Model Presentation at the IBM Hackathon, Indian Institute of Science. (*Jan 2019*)
- Winner of the Riskcovry Data Analytics Hackathon, BMSCE (*March 2019*)
- Winner of the Big Data Hackathon, St. Josephs. (*April 2019*)

University and Community Service

Volunteer

July - Aug 2020

Youth Empowerment Foundation, India

- Raised funds and donated food rations to out-of-work daily wage workers and their families during the COVID-19 lockdown.

Technical Head & Co-founder (ISE Student Club)

June 2018 - June 2019

BMS College of Engineering, Bangalore, India

- Organized coding competitions to prepare the junior-year students for campus placements.

Department Coordinator

June - Sept 2018

BMS College of Engineering, Bangalore, India

- Organized 4 technical events for the annual state-wide college tech fest PhaseShift 2018.

References

- Dr. Dakshayini M, Professor and Head, Department of ISE, BMS College of Engineering, Bangalore (hod.ise@bmsce.ac.in)
- Dr. Sheela SV, Professor, Department of ISE, BMS College of Engineering, Bangalore (ssv.ise@bmsce.ac.in)
- Dr. Roopa R, Assistant Professor, Department of ISE, BMS College of Engineering, Bangalore (roopa.ise@bmsce.ac.in)