

# Paras Narendranath

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## Education

May 2020

### B.E in Information Science and Engineering (ISE)

BMS College of Engineering, Bangalore, India

- GPA: 9.6/10, First class with Distinction.
  - 3rd rank holder in the department of ISE.
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## 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
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## Professional Experience

### Analyst - Data Engineering

Sept 2020 - Present

Goldman Sachs

- Built data pipelines that reduced 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.
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## 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 [\[url\]](#)

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

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

- Best Paper Award, International Conference On Computational Intelligence & Data Science.
  - Winner of the Philips Data Science Hackathon.
  - Best Model Presentation at the IBM Hackathon, Indian Institute of Science.
  - Winner of the Riskcovry Data Analytics Hackathon, BMSCE
  - Winner of the Big Data Hackathon, St. Joesphs.
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## 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.
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## 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.
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## References

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