```
Extracted: Data Scientist -> Mapped: Data Scientists
Extracted: Graduate Research Assistant -> Mapped: Social Science Research Assistants
Extracted: Data Science Analyst -> Mapped: Data Scientists
Extracted: Data Scientist Intern -> Mapped: Data Scientists
CPU times: user 7.55 ms, sys: 1.88 ms, total: 9.43 ms
Wall time: 32.4 ms
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RESUME DETAILS
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EDUCATION
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Columbia University
New York, NY
Master of Science in Data Science, GPA: 4.08/4.00
Dec 2020
Coursework: Machine Learning, Applied Machine Learning, Applied Deep Learning, Statistical Inference & Modeling,
Personalization Theory, Natural Language Processing, Algorithms for Data Science, Computer Systems, Exploratory Data
Analysis and Visualization
Nirma University
Ahmedabad, India
Bachelor of Technology in Computer Engineering, GPA: 9.50/10, Rank: 2/900
May 2019
Coursework: Machine Learning, Deep Learning, Artificial Intelligence, Linear Algebra, Algorithms
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EXPERIENCE
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DESIGNATIONS AS PER O*NET DATABASE:
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***TITLE***
Data Scientists --> 15-2051.00
***DESCRIPTION***
Data Scientist Feb 2021 - Present Physics-Informed Machine Learning and Time Series Analysis ● Developed Physics Informed Machine Learning based Hybrid Framework to create an
***PREDICTED SKILLS***



***TITLE***
Social Science Research Assistants --> 19-4061.00
***DESCRIPTION***
Graduate Research Assistant Mar 2020 - Dec 2020 ● Engineered way to automate process of slide analysis for collection of slides, deploying image processing and ML/DL technique
***PREDICTED SKILLS***



***TITLE***
Data Scientists --> 15-2051.00
***DESCRIPTION***
Data Science Analyst Mar 2020 - Dec 2020 ● Developed and deployed an application to streamline the feature extraction and data engineering process for Process Analytics Engine
***PREDICTED SKILLS***
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***TITLE***
Data Scientists --> 15-2051.00
***DESCRIPTION***
Data Scientist Intern May 2020 - Aug 2020 ● Designed and developed Smart Underwriting Framework to generate scores for each submission based on propensity to bind; Prioritizin
***PREDICTED SKILLS***



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ABSTRACTIVE SKILLS
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SKILLS
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● Programming Languages: Python, SQL, R, Java, C++, C
● Tools and Technologies: Scikit-Learn, NumPy, Pandas, Statsmodels, PyTorch, OpenCV, Scipy, Google BigQuery, Oracle
DS, MongoDB, Google Cloud Platform, GitHub, LaTeX
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ACHIEVEMENTS
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document summarizing 89 research papers involving DL-based approaches for Electronic Health Records
Samsung R&D Institute
Noida, India
Research Intern
Jan 2019 - May 2019
● Researched various On-Device AI solutions as part of AI core team and contributed to enhancing quality of services
provided by Samsung for its mobile devices; Produced ML/DL models by utilizing Scikit-learn, TensorFlow, TF-Lite
frameworks
● Devised techniques for Facial Anti-Spoofing System leveraging various ML/DL methods in Python and deployed it as an
Android Application
● Analyzed different On-Device AI solutions for health and multimedia services on low-end Samsung smartphones with
1GB of RAM to ensure robustness of solutions
PUBLICATIONS
Journal Publications:
[1] Param Popat, Prasham Sheth, and Swati Jain. "Animal/Object Identification Using Deep Learning on Raspberry Pi." In
Information and Communication Technology for Intelligent Systems: Proceedings of ICTIS 2018, Volume 1, pp. 319-327.
Springer Singapore, 2019.
[2] Prasham Sheth, Priyank Thakkar, and Praxal Patel. "Optimal Location Prediction for Emergency Stations Using Machine
Learning." International Journal of Operational Research. 2022.
[3] Prasham Sheth, Sai Shravani Sistla, Indranil Roychoudhury, Mengdi Gao, Crispin Chatar, Jose Celaya, and Priya Mishra.
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PUBLICATIONS
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Information and Communication Technology for Intelligent Systems: Proceedings of ICTIS 2018, Volume 1, pp. 319-327.
Springer Singapore, 2019.
[2] Prasham Sheth, Priyank Thakkar, and Praxal Patel. "Optimal Location Prediction for Emergency Stations Using Machine
Learning." International Journal of Operational Research. 2022.
[3] Prasham Sheth, Sai Shravani Sistla, Indranil Roychoudhury, Mengdi Gao, Crispin Chatar, Jose Celaya, and Priya Mishra.
"Real-Time Gamma Ray Log Generation from Drilling Parameters of Offset Wells Using Physics-Informed Machine
Learning." SPE Journal (2023): 1-11.
Conference Publications:
[1] Prasham Sheth, Indranil Roychoudhury, Crispin Chatar, and José Celaya. "A Hybrid Physics-Based and Machine-Learning
Approach for Stick/Slip Prediction." In IADC/SPE International Drilling Conference and Exhibition. OnePetro, 2022.
[2] Prasham Sheth, Sai Shravani Sistla, Indranil Roychoudhury, Mengdi Gao, Crispin Chatar, Jose Celaya, and Priya Mishra.
"Real-Time Digital Log Generation from Drilling Parameters of Offset Wells Using Physics Informed Machine Learning."
In SPE/IADC International Drilling Conference and Exhibition. OnePetro, 2023.
ACADEMIC PROJECTS
Energy Efficient AI on Edge Devices (Master Thesis Project)
Sep 2020 - Dec 2020
● Developed techniques for compressing Deep Learning Models for faster inference on edge devices and reduced carbon
footprint in association with GE Research
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CAREER TRAJECTORY
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CPU times: user 19.3 ms, sys: 4.01 ms, total: 23.3 ms
Wall time: 23.4 ms
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