ARTHAV ASHOK MANE

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https://arthavmane.github.io/portfolio

Education

- Master of Science (M.S.) in Computer Science and Engineering *(Aug '21 - present)*
  University at Buffalo, State University of New York
  Expected graduation: December 2022
- Bachelor of Technology (B.Tech.) in Electronics Engineering *(Aug '17 – May '21)*
  Sardar Patel Institute of Technology (S.P.I.T.), Mumbai.
  CGPA: 8.96/10.00

Projects & Publications

- Fake Review Detection — Senior year (7th & 8th semester) project. *(Aug '20 – May '21)*
  - Developed a machine learning application that detects fake reviews and filters them out before being posted; involves using data mining, machine learning, deep learning, and natural language processing.
  - *Resulting publication:* Janhavi Bhopale, Rugved Bhise, Arthav Mane and Kiran Talele, "A Review-and-Reviewer based approach for Fake Review Detection," *2021 Fourth IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT)*, Tamil Nadu, India, 15-17 September 2021.
- Speaker Diarization and Transcription — Junior year (6th semester) project. *(Jan '20 – May '20)*
  - Created an application that uses speaker recognition concepts to implement speaker diarization for different speakers in a group, meeting, etc. and produces a transcript of their conversation.
  - *Resulting publication:* Arthav Mane, Janhavi Bhopale, Ria Motghare and Priya Chimurkar, "An Overview of Speaker Recognition and Implementation of Speaker Diarization with Transcription," *International Journal of Computer Applications*, vol. 175, no. 31, pp. 1-6, November 2020. doi: 10.5120/ijca2020920867.
- IoT based Food Ordering System — Junior year (5th semester) project. *(Aug'19 – Nov '19)*
  - Designed an on-table device for customers to order meals that'll be directly communicated into the kitchen over Wi-Fi, thus attempting to automate the food ordering system in restaurants and food courts.
  - *Resulting publication:* Arthav Mane, Janhavi Bhopale, Raksha Jain and Priya Chimurkar, "A Low-Cost Implementation of an IoT based Food Ordering System," *Grenze International Journal of Engineering and Technology*, vol. 6, issue 2, pp. 123–128, July 2020.

Certifications

- Deep Learning — Deeplearning.ai, via Coursera.
- Applied Data Science with Python — University of Michigan, via Coursera.
- Mathematics for Machine Learning — Imperial College London, via Coursera.
- Data Science — Johns Hopkins University, via Coursera.
- Python for Data Science and Machine Learning Bootcamp — Udemy.
- SQL – MySQL for Data Analytics and Business Intelligence — Udemy.

Skills

- Programming: (Proficient) Python, Java, C, C++, SQL; (Familiar) R, MATLAB, VHDL, Assembly
- Operating Systems: Windows, Unix/Linux, Mac OS
- Technologies: Data Science, Machine Learning, Deep Learning, Computer Vision, NLP, DBMS, AWS, Git

Extracurricular Activities

- Worked as a Teaching Assistant for a class of 70 under Dr. Deepak Karia (HoD – Electronics Engineering, S.P.I.T.) *(Jan '21 – May '21)*
- Served as the Coordinator for Abhyudaya (an NGO educating underprivileged kids) and taught Science and Mathematics to a class of 40 9th and 10th grade students every Sunday. *(Sep '17 – May '21)*
- Coordinated with companies for campus placement as the student co-ordinator of Industry Relations (IR) committee, S.P.I.T. *(Oct '17 – May '20)*
- Handled institute's research resources as Member of Institute's Innovation Council (IIC), S.P.I.T. *(Aug '19 – May '20)*
- Led a team of 4 in IIT-Bombay's e-Yantra Robotics Competition – qualified for semi-finals. *(Oct '18 – Feb '19)*