

SHAUNAK VARUDANDI

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OBJECTIVE

A dedicated, meticulous, and focused professional currently working as an Associate Data Scientist at Celebal Technologies and seeking graduate education from the University of Southern California to develop the necessary skills and cognition needed to excel as a successful Business Data Analyst.

EDUCATION

Mukesh Patel School of Technology Management and Engineering, NMIMS University, India.

- Bachelor of Technology, Computer Engineering ([Six Years Integrated Program](#)).
- Cumulative Grade Point Average (CGPA): 3.4/4.
- Program Duration: 2014/07 – 2020/04.

TEST SCORES

IELTS: 8.0/9.0 [L: 8.5, R: 9.0, S: 7.5, W: 7.0]

GRE: 313/340 [V: 153, Q: 160, AWA: 4.0]

PROFESSIONAL EXPERIENCE

Associate Data Scientist, Celebal Technologies Pvt Ltd, India. (2021/11 - Present)

- Analyzed the data, performed data transformations by considering 42 distinct business KPI's, and delivered a clean data source to the business intelligence analyst for creating reports and dashboards. **[In progress]**

Event Manager (Volunteer), Mantissa Data Science, India. (2020/01 - Present)

- Invite domain experts to speak at the meetup, communicate with them, and assist them with presentations if required.
- Create Google Forms to record meetup registrations and send invitations to the registered members.
- Assist with setup and logistics at the location of the meetup.

Software Engineer, MobiNext Technologies Pvt Ltd, India. (2020/10 - 2021/10)

- Created an Image Compression and Document Compression application that helped the client preserve approximately 15% of their file storage space while saving PDF documents or High-Resolution Images.
- Developed a Web Application Portal which automated the paper-based forms system previously used at the client location. The application set into motion the client's quest to become carbon neutral by 2025.

IoT Solutions Architect (Internship), Expert Global Solutions Pvt Ltd, India. (2019/06 - 2020/04)

- Identified the pain areas, analyzed the client data, and proposed IoT-based solutions that increased client revenue and decreased production downtime.
- Designed solution flowcharts and system architectures to communicate proposed IT infrastructure reforms.
- Identified and suggested appropriate IoT hardware to the production team to expedite the proposed system's development.

PUBLICATIONS

S. Varudandi, R. Mehta, J. Mahetalia, H. Parmar and K. Samdani, "A Smart Waste Management and Segregation System that Uses Internet of Things, Machine Learning and Android Application," 2021 6th International Conference for Convergence in Technology (I2CT), 2021, pp. 1-6, doi: 10.1109/I2CT51068.2021.9418125.

S. Varudandi, J. Mahetalia, R. Mehta and K. Samdani, "A Comparative Study on Gesture Recognition Systems for Car Infotainment Systems", 2018 IEEE International Conference on System, Computation, Automation and Networking (ICSCA), Pondicherry, 2018, pp. 1-7.

ACHIEVEMENTS

3rd Position in AGAAZ Final Year Project Competition.

- Demonstrated my final year project, "The Segregator", at a project competition organized by the Computer Engineering Department, MPSTME, NMIMS University, in collaboration with Network for the Open Web Mozilla Campus Club in April 2019.

1st Position in *Technoforte* Technical Paper Presentation.

- Presented my review paper, "A Comparative Study on Gesture Recognition Systems for Car Infotainment Systems", at a competition organized by MPSTME, NMIMS University, in collaboration with The Institution of Engineering and Technology (IET) in November 2017.

SKILLS & ABILITIES

Programming Languages:	C, C++, C#, Java, Python, HTML, CSS, JavaScript, jQuery, SQL, PL/SQL, R, Scala
Software:	Oracle MySQL, SharePoint, Cosmos DB, Google Colab, PyCharm, R Studio, Visual Studio 2019, Azure Cloud Services (Data Lake Storage, Databricks, Data Factory, Synapse Analytics), Heroku, AWS EC2, Google Cloud Platform, Tableau
Programming Libraries:	Scikit-learn, NumPy, SciPy, Pandas, Seaborn, Matplotlib, NLtk, Gensim, Spacy, TensorFlow, Keras, Flask, Gradio, Streamlit
Operating Systems:	Windows (8, 10), Linux (18.04, 20.04)

ACADEMIC PROJECT EXPERIENCE

Exploring Toronto and Searching for the Best Place to Establish an Indian Restaurant.

- Performed an in-depth analysis of each borough present in Toronto to locate the ideal spot for establishing an Indian restaurant. The study concluded that North York and Mississauga are ideal locations since the new restaurant will face minimum competition from similar eateries.
- The study also provided a list of venues that tourists can use to explore Toronto. With venues categorized as High, Moderate and Low, tourists can decide the boroughs they wish to visit based on personal preference.

The Segregator - A Smart Waste Management and Segregation System.

- Led a team of four students and developed a smart system that incorporates Internet of Things and Computer Vision to segregate the waste into six different waste categories automatically.
- The team also designed a mobile application to assist garbage-truck drivers in garbage collection by providing them an optimized route that minimizes fuel consumption and maximizes garbage procurement.
- An essential feature in the mobile app allows users to click pictures of discarded heaps of waste and upload them onto the server with its location. The authorities can later view the images and take corrective steps.

CERTIFICATIONS

Coursera - [IBM Data Science Specialization](#)

Coursera - [Machine Learning Specialization by Washington University](#)

Coursera - [Excel to MySQL: Analytic Techniques for Business Specialization](#)

COMMUNITY INVOLVEMENT

Blood Donor

- Participated in a Blood Donation Camp on 12th July 2019, organized by Dattaji Bhale Blood Bank in Pune, Maharashtra.
- Participated in a Blood Donation Camp on 12th October 2016, organized by Mahatma Gandhi Seva Mandir Blood Bank in Mumbai, Maharashtra.

EXTRA-CURRICULAR ACTIVITIES

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| • Soccer | • Lawn Tennis |
| • Bibliophile | • Photography |