

Jay Shah

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EDUCATION

University of Texas at Arlington

Master of Science: Computer Science

Arlington, Texas, US

[08/22] – [05/24]

- **GPA: 3.67 / 4**
- **Specialization:** Intelligent Systems & Data Analytics
- **Enrolled courses:** Data Analysis and Modelling Techniques, Design and Analysis of Algorithm, Artificial Intelligence, Machine Learning (PHD level), Neural Networks, Web Data Management.

Gujarat Technical University

Bachelor of engineering: Computer engineering

Ahmedabad, Gujarat, India

[06/18] – [06/22]

- **GPA: 8.4 / 10.0**
- **Relevant Coursework:** Data Structures, Design and Analysis of Algorithm, Machine Learning, Artificial Intelligence, Database Management System, Engineering economics, Computer Networks, Software Development

SKILLS

Technical Skills: Data visualization and analysis (Excel, power BI, Tableau), Full Stack Development, Data structures, Data base management, MS Office, Agile SDLC based on waterfall model, PL/SQL, AWS

Soft Skills: Public speaking, Team co-ordination, High Efficiency, Strong Communication, Managerial skills

Programming Languages: HTML5, CSS3, JS, R language, PHP, C, C++, Java, Python, GO-Lang, DAX

WORK EXPERIENCE

Brainy Beam Technologies PVT. LTD.

Summer Intern

Ahmedabad, Gujarat, India

[01/22] – [06/22]

- Learned methods of data collection, filtration, and cleansing. Implemented ML and Data Analytics tools for data segregation. Managed and overlooked the integration part of the project. Also, increased overall efficiency of operation by 40-50% using Software Development Life Cycle (SDLC) using Agile methodologies.
- Flourished and excelled technical skills like Python (Panda, NumPy, Matplotlib, Scikit-learn), HTML, CSS, JS, Bootstrap, PHP and My-SQL. Also, got to know multiple industry use cases of this technologies.
- Acquired practical knowledge of domains such as Data Science, Data Base Management and Web Portal.
- Worked on a project titled as AMC Complaint Module Project: A module as an alternative to traditional in person process of working of the administrative offices of any area or region.
- Digitalizing the entire work process effected in reduced wastage of resources like paper, time and energy by estimate of 40-65%. Also, operational efficacy of system was shot up considerably.

Silver Touch Technologies

Student Intern

Ahmedabad, Gujarat, India

[06/21] – [08/21]

- A hands-on experience of using Wi-Fi module with LDR and DHT-11 Sensors with IOT & ML Techniques and integrating a fully functional IOT circuit. Researched and surveyed for stable and faster options available for cloud server and selected Droplets by digital ocean as it was the best, using Droplets led to 2-4 second drop in latency.
- Explored Domains of Internet of Things and Machine Learning for the first time.
- Operated and integrated tools like Python (Pandas, NumPy, TensorFlow), CNN and Arduino CC in one final IoT device.
- Developed SCARECROW: Smart device using LDR and DHT-11 sensors Integrated within a Wi-Fi Module to collect and transmit data to cloud storage (droplet) to use data as trigger for water pumps in farm using neural networks.
- Implementation of this strategy, led to conserving 30-70% of water consumption in farming. Data transfer using droplets enhanced transfer speed by 70–80 BPS per cycle.

ACTIVITY & INTERESTS

Certifications: Fundamentals of E-commerce, Git& GitHub crash course, Supply and demand chain Explained, Hashcode-2020/21 by Google, IEEE certificate of appreciation, technical support fundamental by Google

Activities: Treasurer at IEEE SOCET [01/2020 – 04/2020], volunteered in multiple educational drives under IEEE [2020]

Interests: Swimming, Movies, Travelling, Kayaking, Science Fiction, Astronomy/star gazing, Networking