

## SIDDHESH RAJESH RAO

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### WEB DEVELOPMENT | FULL STACK DEVELOPMENT | DATA ENGINEERING

Creative, driven Software & Web Developer with a Master of Science in Intelligent Systems and Databases seeking a full-time position to complement current studies. Substantial experience delivering high-quality web products for clients in a variety of sectors with outstanding commercial results. An out-of-the-box thinker looking for the opportunity to gain real-world experience working with business requirements.

#### CORE COMPETENCIES

- |                     |              |              |                          |                        |
|---------------------|--------------|--------------|--------------------------|------------------------|
| ▪ Python            | ▪ PHP        | ▪ JavaScript | ▪ MySQL/NoSQL            | ▪ React Js/Node Js     |
| ▪ Agile Development | ▪ HTML/CSS   | ▪ Hadoop     | ▪ Analytics/Data Science | ▪ RESTful Web Services |
| ▪ AWS               | ▪ Shell/Bash | ▪ Bootstrap  | ▪ Magento/WordPress      | ▪ Git/ VS Code         |

#### EDUCATION

**University of Texas at Arlington; Arlington, TX: Expected graduation 05/2020 (Current GPA: 3.38/4.0)**

*Master of Science in Computer Science (Majors: Intelligent Systems and Databases)*

- **Relevant Coursework:** Artificial Intelligence-I; Data Mining; Design & Analysis of Algorithms; Big Data Analytics; Neural Networks; DBMS Models & Implementation Techniques; Data Analysis & Modelling Techniques; Machine Learning; Software Testing
- **Relevant Projects:**
  - **NLP Chatbot:** Created a chatbot tool that employs basic NLP concepts combined with data from movie dialogue for use in one to one conversations. (Python TensorFlow (RNN) Libraries, Seq2Seq Modelling)
  - **Chat Server:** Developed a GUI based Chat Server using Python Sockets which can be used for persistent one to one, one to n and broadcast messaging. (Python3, Tkinter)
  - **MaxConnect4 Game:** Created an AI interface and UIX for a digital game modeled on Connect4. (Python2)

**University of Mumbai; Mumbai, India: 06/2018 (Overall CGPA: 6.75/10)**

*Bachelor of Engineering in Information Technology*

- **Relevant Coursework:** Object Oriented Programming; Advanced Internet Technologies; Microprocessors; Automata Theory; Operating Systems; Software Engineering; Advanced Database Systems; Intelligent Systems
- **Clubs/Activities:** ACM Sigite Student Chapter – Member
- **Relevant Projects:** **Dynamic Digital Parking System:** Created an application that manages vehicle information, including stay duration, and available spaces for a Shopping Mall parking facility (Raspberry Pi Model 3B, OpenCV, Python, Microsoft Azure)

**Publications:** (May – July 2018); Dynamic Digital Parking System; *i-manger's Journal on Communication, Engineering, and Systems*; (Volume 7, Issue No. 3);

#### Certifications:

Robotics with AVR – Wegilant-IIT Bombay

Windows Azure; Visual Studio & Gaming Engines – Microsoft Virtual Academy

#### PROFESSIONAL AND WORK EXPERIENCE

##### WEB DEVELOPMENT FREELANCER | MUMBAI, INDIA | 2016 TO 2017

- Maintained a 90% customer approval rating across the 25+ performance driven, and user-centric websites created.
- Supported clients after go-live including maintaining documentation and codebase.
- Optimized Web Presence of Clients through Google Analytics using Keyword Generation, Popular Page Views & Visitor Demographics

##### ENGAGE CHARITABLE TRUST | MUMBAI, INDIA | 2015 | **Graphic Design Intern**

Assisted in the creation of marketing materials including print items, digital art, and social media campaigns.

- Improved social media engagement by 25% across digital platforms, receiving 40% more Likes and Shares for digital media on the “Recycle It” campaign.

#### PROJECTS

##### **Social Media Sentiment Analyzer | Big Data Analytics Project | 2019**

- Applied machine learning models using PySpark to analyze recent Twitter feed of up to 200 entries every Five Minutes and categorize them as positive, neutral, or negative. (PySpark, Twitter API, TF-IDF & Machine Learning Models)

##### **Public Parking Application | (Senior Year Project) | 2018**

- Full development lifecycle of an Android application that successfully identified available public parking spaces with a 3-mile radius within the Mumbai metropolitan area. Allowed users to reserve and pay for spots, advising of remaining time and employing a dynamic QR Code for authentication. (Java, IOT, PayUMoney API, Microsoft Azure)

##### **E-Commerce Website Development | Freelance Project | 2018 | Budget: ~ INR 70K**

- Created a dynamic website for a Fashion & Mobile accessories retailer processing >INR100K in online sales annually. (Magento, WordPress, HTML/CSS/PHP, MySQL, Bootstrap)
- Increased user engagement by 30% and generated an additional > 40% in annual revenue, an increase of ~ 20%. Optimized technology to reduce load time by 15% and improved click through conversion rates by 25%.

##### **Automated Complaint Ticketing System | Junior Year Project | 2017**

- Allows users create and track the progress of complaints as they are prioritized and processed. (Laravel, SQL, Bootstrap, JavaScript)

#### ADDITIONAL CREDENTIALS

##### HONORS & AWARDS

- Placed 4<sup>th</sup> out of 50 participating Teams – Microsoft TechJam 2015 #AcceleratingIndia
- Placed 24<sup>th</sup> nationally - Tata NEN Startup Awards
- UNICEF India – Child Rights & Rescue Volunteer

##### VOLUNTEERISM