SIDDHESH RAJESH RAO

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WEB DEVELOPMENT | FULL STACK DEVELOPMENT | SOFTWARE ENGINEERING

Creative, driven Software & Web Developer with a Master of Science in Intelligent Systems and Databases seeking a full-time position to complement current skillset. Substantial experience delivering high-quality 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

- **Programming Languages:** Python, JavaScript, TypeScript, GraphQL
- **Libraries, Frameworks & Databases:** React JS, Node JS, CSS/SCSS, MySQL, NoSQL
- **Cloud & Web Services:** AWS, Firebase Cloud, RESTful Web Services
- **Development & Testing Tools:** Git, SonarLint, Jest, Pytest, Docker, JIRA

EDUCATION

University of Texas at Arlington; Arlington, TX: Graduated: 05/2020 (Overall CGPA: 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, Socket Programming)
  - **MaxConnect4 Game:** Created an AI interface and UIX for a digital game modeled on Connect4. (Python2)

University of Mumbai; Mumbai, India: Graduated: 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

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

PROFESSIONAL AND WORK EXPERIENCE

CYBER DIVE CORP. | MESA, ARIZONA | AUGUST 2020 - PRESENT

- **TECHNICAL LEAD | MARCH 2022 - PRESENT**
  - Review technical Design from development teams.
  - Access technical quality of projects and provide inputs for improvement.
  - Evaluate new feature ideas & prioritize based on development workload & technical feasibility.
  - Collaborate with development teams to figure out an optimal way to implement a feature.
- **SOFTWARE ENGINEER | AUGUST 2020 – MARCH 2022**
  - Write & test reusable software components based on product requirements using Python, JavaScript & AWS Serverless Functions.
  - Access UI for technical feasibility & collaborate with product team members to implement new feature developments.
  - Research, Plan & Implement efficient ways to handle application-level communication using RESTful API's, Sockets & GraphQL.
  - Responsible for upgrading user experience by 20% & application efficiency by 30% due to reduced network load time & API Calls.
  - Collaborate with Internal teams, Including Graphic Design, QA testing to ensure efficient development & quality control.

WEB DEVELOPER - FREELANCER | MUMBAI, INDIA | JANUARY 2016 - DECEMBER 2017

- Maintained a 90% customer approval rating across 25+ performance driven, user-centric web applications developed using ReactJS, Bootstrap & NodeJS.
- Optimized Web Presence of Clients through Google Analytics using Keyword Generation, Popular Page Views & Visitor Demographics

PROJECTS

Social Media Blog Site | Self Project | 2020

- Developed an End-to-End Blog site using NodeJS, MongoDB, ExpressJS, Passport and other NPM Modules following RESTful API to allow end users to register, post, edit & comment on articles and follow other users. (NodeJS, MongoDB, ExpressJS, Mongoose, Passport)

COVID-19 Dashboard | Self Project | 2020

- Developed a COVID-19 Realtime Dashboard using ReactJS (ReactJS, ChartsJS, Mathdroid API)

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 within a 3-mile radius in the Mumbai metropolitan area and Allowed users to reserve and pay for spots, advise of remaining time and employ a dynamic QR Code for authentication. (IOT, PayUMoney API, Microsoft Azure)

ADDITIONAL CREDENTIALS

HONORS & AWARDS	■ Placed 4th out of 50 participating Teams – Microsoft TechJam 2015 #AcceleratingIndia
	■ Placed 24th nationally - Tata NEN Startup Awards
VOLUNTEERISM	■ UNICEF India – Child Rights & Rescue Volunteer