Dheekonda Nikith Sai

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EXPERIENCE:

❖ **Deputy Engineer:**

Bharat Electronics Limited, PSU under Ministry of Defence (October, 2018 - Present)

- Oracle Database Administrator for India's reputed defence project.
- Management, synchronization, administration for replication of critical data between several data centers in India using Oracle Goldengate.
- RMAN scripts and Tape library (HP Data Protector) deployment for critical backup and recovery solutions.
- Root Cause Analysis of the database outages. Creation and monitoring of SRs from Oracle.
- Requirement capturing, analysis and formulating solutions for database design review.
- Creating various SOP's for Oracle database related site maintenance activities.
- Installation, Patching, and Administration of database solutions at customer locations.
- Experience in database and system performance optimization techniques.
- Performed Site Acceptance Test (SAT) and Database destructive test cases for customer.
- Network and data storage administration.
- Installation and commission of ventilators at the hospitals during COVID-19 pandemic.

❖ **Project Assistant:**

Indian Institute of Science (IISc), Bangalore (July, 2018 - September, 2018)

- Interfaced Python-1300C camera system with Xilinx Zync system and developed an IP for an Image Processing algorithm for the ISRO satellite project.

INTERNSHIPS:

Organization	Duration	Roles
Amdocs, Pune (Software Associate)	May, 2017 to July, 2017	Developed a web service using RESTful API and Maven tool to carry out the sentimental analysis of the customer view.
Kintu Designs, Surat (Design Engineer)	December, 2016 to February, 2017	Design engineer for development of an IP camera for home security monitoring using Raspberry Pi as test hardware.
DRDO, Hyderabad (Intern)	May, 2016 to July, 2016	Developed an algorithm in LabView, which can continuously detect the hit point of the real time active images.

TECHNICAL SKILLS:

Programming Languages	Python, C, Java, PL/SQL, Linux Shell Scripting
Technologies	AWS, IPLS-Security, RAC Servers, Cisco UCS, SAN Storage, ASM, RMAN, Cluster, DNS, Goldengate Replication
Database platforms	Oracle 12C (RAC Environment), Couchbase (NoSQL Database)

Tools	AWS, Oracle Enterprise Manager, Goldengate, Data Protector, Audit-Vault & Firewall, Doors-NG, SQL Developer, Ansible
Operating Systems	Linux (especially RHEL server), Windows

PROJECTS:

- ❖ **IOT based Home Automation:** Automated the opening and closing of curtains & doors based on the intensity of light entering the room. Used temperature sensor to measure the room temperature and accordingly switching the electric appliances and recording the statistics of usage in the database and communicated using facebook API.
- ❖ **Bluetooth Controlled LED Display:** A matrix of 6*8 LED is made and characters are displayed on the LED Matrix communicated via Bluetooth app using Shift registers and Daisy Chain configuration.
- ❖ **Octapad:** A musical instrument using Piezo Electric Sensor & AVR chip. Sounds of different intensities and frequencies are generated using PWM.

ACHIEVEMENTS:

- ❖ Semi-Finalist of **DRDO Robotics & Unmanned System Exposition (DRUSE)** competition held at National Defence Level Jodhpur, 2017-18 where our team got national level recognition for the innovation and presentation.
- ❖ Quarter finalist of **India Innovation Challenge Design Contest, 2017** sponsored by Texas Instruments in collaboration with IIM-Bangalore.
- ❖ Finalist in **Amdocs Design Innovation Challenge 2017**, was awarded 4th position for the idea based on Smart City.
- ❖ Finalist in Combat Nautica competition at **Techfest 2015, IIT Bombay.**
- ❖ Winner of Light Follower competition in an intercollege technical fest, **Sparsh 2015, SVNIT.**
- ❖ Published a project on **Instructables** website based on Bluetooth Controlled 6*8 LED Display using Decoder and Atmega8.
  https://www.instructables.com/id/68-LED-Display-Using-a-Decoder-and-Atmega8/

Academics:

Qualification	Institution	Year	Percentage/CGPA
M-Tech (Software Systems) Distance Learning	Birla Institute of Technology and Science (BITS), Work Integrated Learning Program(WILP)	Currently Pursuing (2020 – 2022)	-
B-Tech (ECE)	National Institute of Technology (NIT), Surat	2018	7.1/10
Intermediate (MPC)	Bhashyam Junior College, Hyderabad	2014	96.5%
High School	Bhashyam Public School, Hyderabad	2012	9.7/10

PERSONAL DETAILS:

- ❖ **Father's Name** :- Dheekonda Narsing Rao
- ❖ **Permanent Address** :- EWS:550, Road No-2, KPHB Colony, Kukatpally, Hyderabad - 500 072.
- ❖ **Date of Birth** :- 25th May, 1997.
- ❖ **Gender** :- Male
- ❖ **Language Known** :- English, Hindi & Telugu
- ❖ **Interest & Hobbies** :- Active member in Online Forums, Cooking.