

# SONALI PAGADALA

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## Career Objective:

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To work in an organization with a motive of constant learning and utilize my Technical Expertise, Communication skills to develop a successful software product for the benefit of the company.

## Professional Experience:

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### Adtran, India

*Intern, Jan 2018-June 2018*

- Developed an understanding and working of DPU 504VG(GPON) and 516VG, the traffic flow from UNI to NNI.
- Developed an understanding of DHCP protocol, lease proxy and created manual test cases for the same using python.
- Explored Netconf protocol, IPC using Yang models.

### Adtran, India

*Junior Engineer, July 2018-Oct 2019*

- Gained an understanding of Netconf2 protocol and performed integration of the same.
- Developed persistency, Session Monitoring, Tcp Keepalive features of Netconf2 using CPP.
- DHCPV4 delete session basis the lease time, thereby strengthening my understanding of the product and protocols using CPP, C languages under linux environment.
- Created manual test cases for the features built and worked closely with the testing team in creation of automation scripts using Robot.

### Teradata, India

*Software Engineer, Oct 2020 till present*

- Gained an understanding of Teradata database and the product DSA.
- Worked on understanding how backup and restore job work from the perspective of DSC and DSMain in linux environment.
- Worked on bugs related to online backup & restore job, also on IR online backup & restore job using C, CPP and ran respective unit tests for the same and used GDB tool to debug and reproducing the issue. Used C,Cpp as programming languages under linux environment on Teradata Database using SQL.
- Worked on issues related to start time of phases in backup jobs using CPP,C and used GDB tool for debugging on Linux environment.
- Worked on starting and stopping Dsmain using a fastpath function via SQL UDF function and Macro rather than cli, it had been developed using C,Cpp in Linux Environment.

- Worked on cp tables, NOPI tables in Teradata database and bugs related to the same using C,CPP.
- Worked on REST backup API feature which enables backup and restore of Teradata Vantage through REST interface using C, CPP languages and under Linux environment.
- Worked closely with customers and support team after build release to identify root cause of issues faced by customers.

## Academic Details:

S.NO	Level of education	Institute	Board/University	Year of Passing	Aggregate/ Percentage
1.	BE-Computer Science.	Vasavi College of Engineering, Hyderabad.	Vasavi College Of Engineering, Hyderabad.	2018	76
2.	Intermediate	Narayana Junior College, Hyderabad	Board of Intermediate Education, Andhra Pradesh	2014	90
3.	SSC	St. Andrews School, Hyderabad	Board of Secondary Education, Andhra Pradesh	2012	88

## Technical Competencies:

**Programming Languages:** C, C++.

**Databases:** SQL

**Debugging tools:** GDB

**Experience:** Data structures, coding, Networking , C, CPP, DBMS, Linux(Unix), TCP/IP network protocol stack, IPC, Teradata, SQL .

## Academic Project Details:

- **Smart-kid Learn application:**  
Platform: **Visual Studio IV**. It's an app which helps children learn through a series of tests, videos and a simple game for fun.  
**LANGUAGES:-** Visual c++(IV)
- **Online Fraud Detection website:**  
A shopping website which helps customers shop various products put out by sellers, and if any product found faulty it helps generate a complaint against seller , the seller after reasonable number of complaints will be removed from the entire shopping process. This has been implemented with Javascript as the main backend technology , MySQL as the database management system .  
**Technologies:** JavaScript ,HTML , CSS, Bootstrap ,MySQL, JDBC.
- **WebBlog :** A website where one can create their blogs, each blog contains a number of posts relevant to the blog. One can perform the operations of viewing other's blogs from their respective account and all supportive and required operations. It is implemented with python using Flask as the main backebd technology , and MongoDB as the supportive database.  
**Technologies:** Python(Flask),Jinja,HTML,CSS,Bootstrap,BeautifulSoup,JSON,MongodB.
- **chaNGO :**An NGO website , which is a one-stop destination for all the donors. It acts as an interface between the donors and the needy people, catering their needs through a website where the donor can give details of his/herself and have their belongings collected by the NGO support group. It is implemented with Python using Django and the main backend technology which supports a database itself. Front-end is implemented using HTML, CSS, Bootstrap, Jinja.  
**Technologies :** Python( Django ) ,HTML ,CSS , Bootstrap , Jinja .

## **Achievements:**

- Stood second in content writing competition conducted in College.
- Got selected for Hyderabad's Best Coder final round.
- Certified for Java Application Development by Being Zero.

## **Extra Curricular Activities:**

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- Volunteer for the Acumen (College Technical fest) in 2014.
- Volunteer at 5<sup>th</sup> Pillar Organization.

## **Personal Details:**

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- **Father's Name:** Pagadala V Dinesh.
- **Date of Birth:** 24<sup>th</sup> September 1996
- **Hobbies:** Cooking, Yoga , Reading, Photography, Badminton.

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Hyderabad  
5<sup>nd</sup> Jan 2022

Sonali Pagadala