

PARUL RAJ

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Summary

Recently entered Computer Science field, trying to expand my horizon, with a passion for developing scalable web applications and working across the full stack. I'm looking for job opportunities as an Entry Level Full-Stack Developer that will utilize my skills as well as allow me the opportunity to gain additional skills and experience.

Skills

LANGUAGES

HTML
CSS
JavaScript
jQuery
Bootstrap
VHDL
Verilog
C/C++
JAVA

SOFTWARES

Silvaco TCAD
Origin Pro
Microwind & DSC3 3.8
FlowCode V7
Xilinx ISE 14.7
Cadence Virtuoso
JAVA NetBeans
Visual Studio Code
Keil

OPERATING SYSTEMS

Windows
Mac OS
LINUX

Activities

Yoga - Instructor Oct. 2019 to Current
M.Tech VLSI Design at Punjab Engineering College July 2017 to July 2019
- Placement Cell Coordinator
Anti-Ragging Committee & Mentor Cell at Sir Padampat Singhania University Udaipur July 2011 to Dec. 2013
- Member

Volunteering

Make-A-Wish Volunteer Oct. 2005 to Mar. 2008
Ahmedabad
The Make-a-Wish Foundation is a nonprofit organization that helps fulfill the wishes of children with a critical illness between the ages of 2 and 18 years old.

Education

University of Washington Boot Camp Certification in Full Stack Development Dec. 2021 to Mar. 2022
Punjab Engineering College Master of Technology Electronics (VLSI Design) 2019 July 2017 to July 2019
Courses: Electronic System Design, Digital VLSI Design, Low Power Design Techniques, FPGA Based System Design, Computer Aided VLSI Design, Testing & Fault Tolerance, Embedded Systems
Sir Padampat Singhania University Bachelor of Technology Electronics and Communication 2014 July 2010 to June 2014
Courses: Electronic Devices & Circuits, Digital Electronics, Signal & System, Network Analysis & Synthesis, Communication System, IC & Applications, Digital Signal Processing, Microprocessors, Microelectronics Technology, Electromagnetic Field Propagation, VLSI Design, Microcontrollers, RF & Microwave, VLSI Circuits & System, Nanotechnology, Object Oriented Programming, Data Structure, JAVA Programming, Computer Networks

Employment

WhiteHat Education Technology Pvt. Ltd Coding Instructor June 2020 to Current
WhiteHat Jr provides live online coding platform for kids.
Course: Professional (focused on game designing, native app designing and development, Artificial Intelligence and Space technology)

BullsEye Knowledge System Pvt. Ltd. Associate Faculty (Electronics and Communication Engineering) June 2018 to Oct. 2019
Preparing students for the upcoming job placements by providing them a review of technical subjects which are important for placement drive. Roles & Responsibilities included Preparing and delivering Lectures online, Putting together subject guidelines and subject related MCQs. Designing appropriate tutorial content in Analog Electronics & Digital Electronics

Collabera IT Technical Recruiter Jan. 2014 to May 2014
Recruiting and process expertise:
Skill-specific aggressive passive researcher and recruiting
Built and implemented sourcing, selection and networking strategies to hire in a cost effective and efficient manner
Develop successful sourcing and channel strategies, ensuring competencies are attracted and secured at the right time in the right place
Effective listener, articulate in communication with demonstrable negotiation and interpersonal skills
Exposed to the best HR practices with a global perspective of organizational culture and ability to consistently deliver results.

PawanHans Ltd. Intern May 2013 to June 2013
VoIP: Voice over Internet Telephony, enables employees to access mission critical information in efficient and seamless manner.

Oil and Natural Gas Corporation Intern May 2012 to June 2012
Networking & Communication: Supervisory Control and Data Acquisition System forms a wide network of communication system which monitors, controls and manages vital information from ONGC's production and drilling facilities, linking oil basins, processing plants, forward base, and other assets to the corporate data center. It support the company's geographically dispersed production and drilling facilities, onshore and offshore, with 'anytime-anywhere' data access to enable faster decision-making and response.

Projects

MovieMadness Jan. 2022
MovieMadness, is a one-stop shop to find information about your favorite flicks. You can search for your favorite title directly or browse suggestions based of a genre of your choosing. If you're not sure what you're looking for, use our randomizer to suggest a title from our staff's favorite films! Once you find the movie you're looking for, you'll be presented with details about the film and can request a cocktail pairing to enjoy while you watch!

Code Quiz Jan. 2022
Code Quiz is a quiz application built using HTML, CSS, and Javascript.
This application emphasizes the use of Javascript to provide quiz questions with multiple choice answers.
Asks for user's choice to display whether the selected answer is correct.
Based selected answers generates a score and appends to a final page of results.

Work Day Scheduler Jan. 2022
Work Day Scheduler is a simple calendar application that allows a user to save events for each hour of the day.

Organic Food Waste Management July 2012 to Nov. 2012
To change the way the earth is affected by the production and the consumption of the organic waste. It is a global concern that directly affects each and every person for many generations to come. The aim of the project was to utilise the Bio-degradable waste and further by decomposing it in strict environmental condition to reduce the emission of carbon dioxide gas.

Noise Characterisation of GaN HEMT May 2018 to June 2019
The main objectives were:
To develop GaN HEMT, 2D and 3D device structure using ATLAS TCAD and determine their Output Characteristics and Transfer Characteristics.
To perform Noise analysis on GaN HEMT device and study its effect.

Personal Diary Management System using Intel Atom processor (SYS9400) on LINUX OS Jan. 2018 to Apr. 2018
Personal Diary Management System is a console application without graphics. In this project, user can keep their personal record like they do in a diary. User can add, view, edit, search and delete records. All added and edited records are saved in a file. The feature which makes it different from is the availability of password protection which will give user an assurance that the data is not leaked or misused by anyone. The project was implemented on LINUX OS using INTEL ATOM processor (SYS9400).

Wired Loop Based Alarm System using 8085 microprocessor July 2017 to Dec. 2017
The project is designed to generate an alarm signal in the event of breaking in the wire loop or any disturbance detected. The project uses buzzer to alert the user. This system is built upon using 8051 micro controller unit. Sensors are used as a wire loop. Whenever there is any break in the loop or whenever the Sensors sense any kind of obstacle they will trigger the buzzer raising an alarm sound.

Implementation and analysis of Power using various CMOS logic styles for digital CMOS circuits using HSPICE May 2013 to May 2014
Analysis of static and dynamic power dissipation in various CMOS digital circuits using HSPICE.

Microcontroller Kit Design Jan. 2013 to Apr. 2013
PCB Designing: Designed simple I/O circuit using 8051 microcontroller and further used it to create a Digital Thermometer