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Rajkumar Sarma

(He/Him)

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Postdoc @ LERO, SFI | Stamp-4 | FPGA Enthusiast | VLSI Engineer | Teacher

University of Limerick

Lovely Professional University

Limerick, County Limerick, Ireland · [Contact info](#)

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About



With over 12 years of expertise in Digital and Analog circuit design, Low-power VLSI contribute significantly to academia and University of Limerick, I actively I Circuits (ADDC) Project, collaborating o. Our collaboration led to ; first entirely ML-generated Application e of these ML-generated designs has icated using TSMC 65 nm technology, on.

Alance Educator at Unacademy, Program -be-University), and Associate Professor my career, I have supervised numerous M.Tech theses, published extensively in reputable journals, and secured multiple patents, demonstrating my commitment to innovation and research.

Proficient in languages like Verilog HDL, VHDL, and Embedded C, I utilize tools such as Cadence, AMD Xilinx, and KiCad to drive projects forward. My technical competence covers RTL Design, FPGA Prototyping, Analogue/Mixed signal design, Static Timing Analysis (STA), Place-and-route (PnR), and more.

Driven by a passion for technological advancement, I aim to contribute to cutting-edge projects and collaborate with like-minded professionals. Let's connect and explore opportunities to drive innovation and excellence in VLSI design together.

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 Today, I delivered a guest lecture (online) to the [B.Tech-ECE/EEE](#) students of Alliance College of Engineering and Design, [Alliance University](#), Bengaluru, India, on the topic 'Harnessing FPGA Magic: Froi ...show more



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Experience



- 

Postdoctoral Researcher

University of Limerick · Full-time

Sep 2022 - Present · 2 yrs 1 mo

Limerick, Ireland

🔖 Report Writing, Verilog HDL and +7 skills
- 


Jain (Deemed-to-be University)

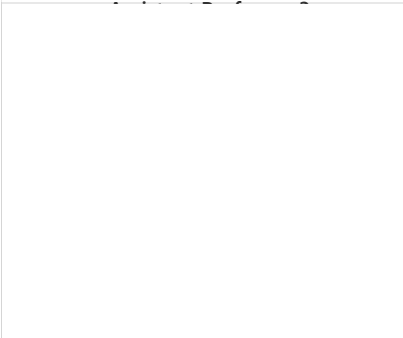
Full-time · 1 yr 5 mos

Bengaluru, Karnataka, India


Progam Head (ECE) & Assistant Professor-3

Jul 2022 - Sep 2022 · 3 mos
Academic | Administrative | Research

 Report Writing, University Teaching and +8 skills



Find more about my profile here: <https://unacademy.com/@unacademy-user-x388d26dw8qh>

 VHDL, Verilog HDL and +7 skills



Lovely Professional University
Full-time · 8 yrs 11 mos

Associate Professor
Oct 2020 - May 2021 · 8 mos
Phagwara, Punjab, India
Academic | Research | Administrative

 Report Writing, University Teaching and +8 skills

Assistant Professor
Jul 2012 - Sep 2020 · 8 yrs 3 mos
Phagwara, Punjab, India
Academic | Research | Administrative

 Report Writing, University Teaching and +8 skills



Teaching Assistant
Lovely Professional University · Part-time
Jan 2012 - Apr 2012 · 4 mos
Phagwara, Punjab, India
Academic


 University Teaching, Interpersonal Communication and +3 skills

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Education




Lovely Professional University
Doctor of Philosophy - PhD, VLSI design
2014 - 2019
Grade: 8.86

 Interpersonal Communication, Administrative Processes and +5 skills



Lovely Professional University
Master of Technology - MTech, Electrical, Electronics and Communications Engineering
2010 - 2012
Grade: 7.65

 Interpersonal Communication, Report Writing and +3 skills

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Licenses & certifications





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Darian Reyes Fernández de Bulnes, Ph.D. · 1st

Senior Software Developer | Data Scientist | Machine Learning Engineer

April 2, 2024, Darian worked with Rajkumar on the same team

Rajkumar possesses a combination of deep technical expertise and innovative thinking in the realm of FPGA and ASIC design. He has consistently demonstrated proficiency in HDL programming, synthesis, place-and-route, and verification techniques, ensuring the successful development and deployment of complex electronic systems.

One of Rajkumar's greatest strengths lies in his ability to tackle challenging design problems with creativity and precision. He excels in devising efficient solutions to optimize performance, minimize latency, and enhance power...



Dr. Kishore Kumar Pedapenki · 1st

Associate Professor at Jain (Deemed-to-be University)

February 21, 2024, Dr. Kishore Kumar worked with Rajkumar on the same team

Dr Rajkumar is a very close colleague to me. We are together for 1 year. I have seen him as a dedicated target oriented researcher and a teacher. He worked as a Program Head of another department shows his leadership skills who can handle the position without knowing any one of them. He worked extensively for the VLSI designing and motivated the students towards the same with his project batches. I have seen him a very great human being who can care always. He is a jovial person who can make the environment more happier. It is not a surprise to me that he got a PDF...

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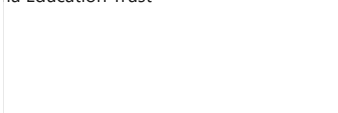
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Neerja Birla 
Founder & Chairperson at Aditya Birla Education Trust





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Aleksandra Kaszubowska-Anandarajah · 2nd
E3 Assistant Professor in Electrical & Electronic Engineering

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Professor at Jaypee University of Information Technology, Waknaghat

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Assistant Professor

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