

Recruitment team

*Sony Deutschland GmbH,
Hedelfinger Strasse 61,
70327 Stuttgart, Germany*

03 November 2016

Job Reference: Job Number: 00011939 – Research Engineer (Signal processing and algorithms for radar)

Dear Sir or Madam,

I will be graduating with a Doctor's degree (Dr.Ing.) in Electrical Engineering in January 2017 from Karlsruhe Institute of Technology, Karlsruhe, Germany. My doctoral thesis primarily focuses on Cognitive Radio that presents an alternative approach of resolving spectrum scarcity for the upcoming 5G networks, by opportunistically accessing the licensed spectrum. As a part of my research, I have been able to justify my theoretical findings by means of hardware implementation (a software defined platform). Besides research, I successfully participated in a BMBF (German Federal Ministry of Research and Education) project, supervised Master and Bachelor thesis, held tutorials and laboratory during the semester.

Since I am highly interested in research related with signal processing, I believe starting as a research engineer at Sony would be next logical step for me. I am approaching you in this matter because your company is working on digital signal processing for radar systems, which are well aligned to my research experience. Besides, I am attracted towards the fact that Sony provides a great opportunity for implementing innovative ideas and novel signal processing techniques in the form of hardware demonstrator. Despite the fact that my research experience has been confined mostly to the wireless communication, I am acquainted with the signal processing techniques and algorithms. In addition, I am willing to extend my knowledge in this field, particularly in the direction of millimeter wave radar and the related architecture, as mentioned in the job description.

I would like to contribute to the ongoing research at Sony and hope that my profile fits to your workgroup. I am looking forward to hearing from you.

Yours faithfully,

Ankit Kaushik

Attached: curriculum vitae, which includes the list of publications

Ankit Kaushik

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