

# Nabeel Nasir

151 Engineer's Way  
Charlottesville, VA 22903

Tel: +1 434.466.8219  
[nabeeln@virginia.edu](mailto:nabeeln@virginia.edu)

## RESEARCH INTERESTS

---

Cyber-Physical Systems, Internet of Things, Edge Computing, Smart Grid, Smart Homes, Computer Networks

## EDUCATION

---

- 2018 - **University of Virginia**, Charlottesville, VA  
Ph. D. Student in Computer Science  
Advisor: Prof. Bradford Campbell
- 2012 - 2014 **Indian Institute of Technology (IIT), Bombay**, India  
M. Tech. in Computer Science  
Advisor: Prof. Krithi Ramamritham
- 2007 - 2011 **Cochin University of Science & Technology**, India  
B. Tech. in Computer Science

## EXPERIENCE

---

### INDUSTRY

- 2017 - 2018 | **EnLite Research**, *Embedded Software Developer*, Mumbai  
Designed intelligent systems to cut down electricity consumption and improve user comfort in office spaces.
- 2014 - 2016 | **Adobe Systems**, *Android Developer*, Bangalore  
Developed key modules for the Lightroom and Photoshop Mix mobile apps.

### ACADEMIC RESEARCH

- 2018 - | **University of Virginia**, *Ph. D. Student*  
Working on applying edge computing to underutilized gateways in sensor deployments.
- 2012 - 2014 | **Indian Institute of Technology Bombay**, *Graduate Student*  
Designed a sensor fusion based occupancy detection system and investigated the impact of occupancy on energy.

### TEACHING

- 2012 - 2014 | **Indian Institute of Technology Bombay**, *Teaching Assistant*  
Graduate Teaching Assistant for four courses:  
- CS 308: Embedded Systems Lab (Lead TA)  
- CS 684: Embedded Systems  
- CS 254: Digital Logic Design Lab  
- CS 101: Computer Programming Lab

## PUBLICATIONS

---

- [P1] Fusing sensors for occupancy sensing in smart buildings  
**Nabeel Nasir**, Kartik Palani, Amandeep Chugh, Vivek Chil Prakash, Uddhav Arote, Anand P. Krishnan, and Krithi Ramamritham  
11th International Conference on Distributed Computing and Internet Technology, ICDCIT 2015.
  
- [P2] Putting smart meters to work: Beyond the usual  
Kartik Palani, **Nabeel Nasir**, Vivek Chil Prakash, Amandeep Chugh, Rohit Gupta, and Krithi Ramamritham  
5th ACM International Conference on Future Energy Systems. ACM e-Energy 2014.