



KEVIN NAIK

Highly motivated, committed and hardworking individual with flexible attitude to adapt to challenges when they arise and ability to handle change in a positive manner.

I have a clear, logical mind with a practical approach to problem solving. A team player with proven ability to get along with both work colleagues and senior managers.

All my work experience and academic achievements to date now make me feel fully prepared to become a professional.



PERSONAL INFO

First name:	Kevin	Address:	Nottingham, UK
Last name:	Naik	Phone number:	+44 7884254275
Date of birth:	09/08/1988	Email address:	kevinnaik@gmail.com
		Web:	kevinnaik.info

Hourly Paid Lecturer

09/2019 – present

Nottingham Trent University, Nottingham, United Kingdom

Currently teaching undergraduate student graphical communication. In the subject students are taught engineering drawing and CAD software.

Junior Research Fellow

06/2018 – 04/2019

Ahmedabad University, Ahmedabad, India

Currently working on "Quaternion based leader-follower robust tracking control of an industrial robot using an anthropomorphic arm" funded by Department of Science and Technology.

The responsibilities include:

- Finding and generalising information.
- Control of Industrial robot (Kuka KR3).
- Building MatLab simulation.
- Designing and developing hardware with sensors.

Head - Automation and Robotics, Assistant Professor

01/2015 – 04/2019

Silver Oak College of Engineering and Technology, Ahmedabad, India

IGNITE (Incubation Centre), S4 (Student Start-up Support System) Chapter handling, Robotics & IoT Lab in-charge are the major responsibilities undertaken.

Duties related to IGNITE:

- Setting up IGNITE's Labs
- Conducting workshops and Lectures series
- Mentoring students and helping them to finalise their ideas and develop their prototypes in S4
- Helping students with their projects on technology like Raspberry pi, Arduino.

The biggest challenge in this position was to restart the Robotics Lab which had been shut for 8 months. I successfully started it again and it is working efficiently now. Moreover, I undertake a few additional duties like the position of Senior Supervisor, and as a member of the admission committee to the engineering courses.

Consultant

10/2013 – present

Self-Employed, Ahmedabad, India

- Providing consultancy services for any techno-management solution required for SMEs.
- Successfully completed projects like beam structure redesigning as well as plant automation for an organisation manufacturing high-end pots for carrying chemicals.
- Designed and developed embedded system of Smart Dock for MyByk, a rent-a-cycle service.
- Wrote two solution books on Elements of Civil Engineering as well as Engineering Maths for Mahajan Publications.

Visiting Faculty

01/2016 – 04/2019

CEPT University, Ahmedabad, India

- As visiting faculty, I offered the elective ICT Intervention in Urban Design. The focus of the subject is how ICT can be implemented in upcoming cities to improve socio-economic condition for the developing countries as well as to leverage the same for sustainable urbanisation. (<https://bit.ly/2T2O5BV>)



WORK EXPERIENCE

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Teaching Asistant

08/2016 – 05/2018

Ahmedabad University, Ahmedabad, India

During my tenure I was involved in instructing two subject labs: Computer Networks and Embedded System Design(ESD).

Responsibilities during my tenure:

- Designed Lab manual for ESD.
- Checking students' assignment and marking their work.
- Kept track of student's learning progression by testing middle-final exams.
- Maintain electronic documentation of student grades.
- Prepare and mark quizzes.
- Preparing the materials for students to practice.

R & D Internship

08/2015 – 10/2015

L&T Infotech Ltd, Mumbai, India

- Worked as intern in the NUI Lab of the Technology Office on technologies like .Net Micro-framework, Leap motion and Kinect for developing Internet of Things, pushing and extracting data over cloud to control actuators.

MANAGEMENT TRAINEE

04/2012 – 09/2012

Abellon Clean Energy Limited, Ahmedabad, India

Responsible for new technology purchases and maintenance arrangements. Assisted a team that ensures health and safety at work place. Managed a project of installing shop floor machinery utilizing the knowledge gained from hands on experience in similar another project.

Duties:

- Analysing and specifying the requirements of new technologies, identifying suitable suppliers, gain approvals from higher management for the purchase, administer the purchase process and establish the most appropriate maintenance contracts.
- Liaising with in-house maintenance team and technology vendors for ongoing maintenance issues.
- Involved in assembling shop floor machinery along with a team of engineers from offshore machine manufacturer.
- Handled a challenging project to install Destoner machine to filter stones from raw material in well- designed plant.

PhD in Architecture, Design and Built Environment

04/2019 – present

Nottingham Trent University , Nottingham, United Kingdom

MSc in Robotics

09/2012 – 08/2014

Kings College London, London, UK

Project: (Academic) Developed a New Algorithm for finding Indentation Depth of Soft Tissue Probe was design and developed for the project. A new algorithm develop was real time and could find indentation depth. The conclusion was drawn based on experiments carried out on chicken meat and pork

MBA in Technology Management with major in Operations and Project Management

07/2010 – 05/2012

CEPT University, Ahmedabad, India

Research Thesis: New Product Development Cycle improvement using Virtual Reality
The research was carried out to study whether virtual reality can be used in new product development cycle in manufacturing, if yes than up to what level. **Achieved best thesis awards for the work.**

Project: (Industry) Kemrock Export Limited, Vadodara, India

To study the different production process like Moulding, Pultrusion, Filament winding, Pipe. To study and learn the process planning.

Project: (Academic) Designed and Prototyped Innovative Rice Thresher

This was done for the for lower end farmers to reduce the effort that went into manual threshing and to thus increase their productivity. The effort was appreciated by the NIF (Dr. Anil Gupta), Dr. Vakil (Vise chancellor of CEPT University) and widely covered in the local newspapers. Patent is pending for the product.

B.Tech in Mechatronics

08/2006 – 05/2010

Ganpat University, Mehsana, India

Project: (Academic) Robotic Arm

The robot was used to pick and place objects, and in painting and other applications. The microcontroller was used to control the DC servo motors. It was a multipurpose device where the two arms could work in different directions.

EDUCATION





SKILLS

Arduino

Raspberry Pi

Intel Boards

Beaglebone Black

Leap Motion

Azure

IBM Bluemix

Kinect

Python

Latex

Atmel Studio

AutoCad

Solidwork

Planning

Leadership

Presentation

Jupyter

Google Cloud Platform



PUBLICATIONS

An Open Source Smart Home Management System Based On IoT

11/2018

Springer US

<https://bit.ly/2APYg5z>

What are the applications of Virtual Reality in the New product Development Process in Indian Manufacturing Sector?

2018

NICOM

Review on Classical Planning

06/2016

Sarjan

<https://bit.ly/2TTWzLJ>

Paper solution of Engineering Mathematics and Element of Civil Engineering

2015

Mahajan Publication House

Architecting with Google Cloud Platform

05/2019

Coursera

<https://bit.ly/2VYfwSW>

Applied Data Science with Python (Specialization)

01/2019

Coursera

<https://bit.ly/2MgQne6>

IBM Data Science Professional Certificate

01/2019

Coursera

<https://bit.ly/2ROpuDD>

Control of Mobile Robots

11/2018

Coursera

<https://bit.ly/2W2Kp4O>

An Introduction to Programming the Internet of Things (IOT)

10/2018

Coursera

<https://bit.ly/2TY0APo>

Introduction to the Internet of Things and Embedded Systems

07/2018

Coursera

<https://bit.ly/2HjkXVz>

Python for Everybody

09/2018

Coursera

<https://bit.ly/2B0YhEb>

Swift

07/2018

Cambridge Certification Authority

<https://bit.ly/2syGBuG>



CERTIFICATES



ACHIEVEMENTS

- Bluetooth Control LED filed design at at Kolkata Patent office
- 3rd ACM Women Hackathon Mentor (Team won 1st prize at national level) (2018)
- Technology mentor and Judge at IoT Auction (2018)
- Technology mentor at GirlScript India Summit (2017)
- Finalist in CII Smart Villages and Smart Cities Competition (2016)
- Best Thesis Award (2012)
- Rice Thresher (2013)
- Finalist in Lion's Den Competition(2013)
- Man of the match and series in various tournaments of cricket (various years).



EXPERT LECTURE DELIVERED

- Data Science at SAMVAAD (National Level Symposium) (2018)
- Robotics and IoT in Future Cities at CEPT (2018)
- Robotics in Future Cities at CEPT (2017)
- Understanding of IOT at CEPT (2017)
- Introduction of R at PDPU (2016)
- Future Technologies and Cities at CEPT (2016)



WORKSHOP DELIVERED

- IOT in Ingenium at Ahmedabad University (2017 & 2018)
- Robotics in Ingenium at Ahmedabad University (2018)
- IOT in Praveg at Nirma University (2017)
- Sensor integration with Mirco-controller at SOCET (2016)
- Basic Robot making at SOCET (2015)



WORKSHOP ATTENDED

- MindSphere Innovation Networking Symposium (2019)
- Teachers Training for PGRs (2019)
- MindSphere Training (2019)
- Doctoral writing retreats: Annual report writing for PGRs (2019)
- Introduction to Robotics (2017)
- Samvaad (2016)
- Infusing Design Thinking in Engineers' Mindsets across Industries & Building a Spine of Design Engineering Courses in Academia (2016)
- Management Oriented Two-Day Training Programme for Directorate of Employment and Training (2012)
- Aero Modeling (2009)
- Entrepreneurship Awareness Camp for Students (2008)
- Summer training at Alpha Nippon, Manu Engineering , and Satva Mechatronics Private Ltd for 7 days.
- Participated in Xenesis, a national level technical symposium of LDRP College of Engineering
- Participated in Convergence, a national level technical symposium of U.V. Patel College of Engineering.



EXTRA CURRICULAR ACTIVITIES

- C/ C++ course, developed new programs for the college manual.
- Hosted and participated in various cultural festivals at college.
- Hosted a paper presentation and project presentation event at the national level Techfest, Convergence in 2008 and 2009.
- Member of the cricket team that plays in the Indian Bank Cup matches.
- Played cricket and basketball for college and university teams.



PROFESSIONAL MEMBERSHIPS

- Member of the Institute of Electrical and Electronics Engineers(IEEE) since February 2007
- Member of the Indian society for Technical Education (ISTE) since August 2006.
- Member of the Rotaract Club of Ahmedabad Majesty.