

Prasanta Kr Sen

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in Prasanta Kr Sen

🌐 Prasanta

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Research Interests

Medical Internet of Things | Human Computer Interaction | Bio-Medical Signal Processing

Academic

Centre for Educational Technology, IIT Kharagpur

Kharagpur, India

MS by Research (Pursuing) (Medical Electronics)

Duration (Expected): Dec 2015–Dec 2018

West Bengal University of Technology

Kolkata, India

B.Tech (Electronics and Communication Engineering) CGPA: 7.94/10

Duration: 2006–2010

West Bengal Council of Higher Secondary Education

Kolkata, India

XII (Science) Percentage: 83.50

Duration: 2004–2006

West Bengal Board of Secondary Education

Kolkata, India

X Percentage: 81.25

Duration: 2002–2004

Work Experience

R & D Project Work.....

Centre for Educational Technology Department, IIT Kharagpur

Kharagpur, India

Project Engineer

July, 2015–June, 2018

- Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning.
- Worked in Web application development with several backend systems using JSP/JavaScript and MySQL.

Centre for Educational Technology Department, IIT Kharagpur

Kharagpur, India

Project Assistant

Dec, 2012–June, 2015

- Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning.
- Worked in web application development with several backend systems using JSP/JavaScript and MySQL.

Industrial Work.....

GIMAtex Ind. Pvt. Ltd.

Wani, Nagpur, India

Trainee Engineer (Electronics)

Dec, 2010–Jan, 2012

- Worked mainly in M/C breakdown handling, PCB Repairing and Maintenance etc.

Course Work

MS Credit courses.....

- Human Computer Interaction
- Intelligent Game Design
- Introduction to Digital Speech Processing
- Language Processing for E-Learning

Online MOOC Courses.....

- Digital Signal Processing

Course Participation in Global Initiative of Academic Network.....

- o Medical Applications of Electrical, Electronics and High Voltage Engineering under Prof. Raji Sundararajan, School of Engineering Technology, Purdue University, West Lafayette, IN 47907 (U.S.A.)

Skill Highlights

- o Analog Circuit Design
- o Programming in Embedded System
- o C, C++, Java, Java Server Pages (JSP), JavaScript
- o MySQL
- o Matlab
- o Python
- o R
- o Android Development
- o SCAD
- o Unity 3D

Publications

Published Article.....

International Conference.....

Darbar, Rajkumar, **Prasanta Kr Sen**, and Debasis Samanta. "PressTact: Side Pressure-Based Input for Smartwatch Interaction." In Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems, pp. 2431-2438. ACM, 2016.

International Journal.....

Darbar,Rajkumar, **Prasanta Kr Sen**, Punyashlok Dash, and Debasis Samanta. "Using hall effect sensors for 3D space text entry on smartwatches." Procedia Computer Science 84 (2016): 79-85.