

ABHISEK CHOWDHURY

Curriculum Vitae



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About Me

I'm a Ph.D Research Scholar working in the field of **'Healthcare Informatics'** under the guidances of **Prof. Ram Babu Roy**, *Rajendra Mishra School of Engineering Entrepreneurship, IIT Kharagpur* & **Prof. Partha Pratim Das**, *Dept. of Computer Science and Engineering, IIT Kharagpur*, India. My primary interest is in exploring the area of *Smartphone Sensor based Human Behavioral Modeling for betterment of lifestyle*.

I also work as a Project Officer at NDL India, IIT Kharagpur where my objective is to develop tools for Data Curation, Data Crawling, Rest APIs and also Android App development.

Educational Qualifications

- 2019 – Present **Ph.D**, *Rajendra Mishra School of Engineering Entrepreneurship, IIT Kharagpur*, India.
Area of Research – Healthcare Informatics
Supervisors – Prof. Ram Babu Roy, RMSoEE & Prof. Partha Pratim Das, Dept. of Computer Science and Engineering, IIT Kharagpur, India
- 2013–2015 **Master of Science (M.Sc.)**, *Vidyasagar University (VU)*, Midnapore, West Bengal, India – 721102.
Subject– Computer Science, Marks – 82.70 %
- 2010–2013 **Bachelor of Science (B.Sc.)**, *Midnapore College, (Affl. to VU)*, Midnapore, West Bengal, India – 721101.
Subject– Computer Science (Hons), Marks – 76.90 %
- 2010 **Higher Secondary Examination (10+2)**, *Board W.B.C.H.S.E., School – Vidyasagar Vidyapith*, Midnapore, West Bengal, India – 721101.
Stream – Science (Eng., Beng., Phys., Chem., Math.), Marks – 70.60 %
- 2008 **Secondary (Madhyamik) Examination (10th Std.)**, *Board W.B.B.S.E., School – Vidyasagar Vidyapith*, Midnapore, West Bengal, India – 721101.
Subject– All (With Add'l Biology), Marks – 87.13 %

Work Experiences

- 2018 – Present **Project Officer (IT)**, *Indian Institute of Technology Kharagpur*, India.
Project – National Digital Library of India, MHRD, India
- 2016 – 2018 **Junior Project Officer**, *Indian Institute of Technology Kharagpur*, India.
Project – Design and Development of IIT Kharagpur Institute Website
- 2015 – 2016 **Software Developer**, *Indian Institute of Technology Kharagpur*, India.
Dept. – Institute Information Cell

Awards and Achievements

- June, 2019 Qualified **NTA UGC NET 2019 (June)** exam for both **JRF and Assistant Professorship**.
- Dec, 2018 Qualified **NTA UGC NET 2018 (December)** exam for **only Assistant Professorship**.
- July, 2018 Qualified **CBSE UGC NET 2018 (July)** exam for **only Assistant Professorship**.
- Mar, 2018 Qualified **GATE 2018** exam in **Computer Science** with score 465 and AIR 5444.
- Dec, 2017 Qualified **West Bengal SET 2017** exam securing 69.70 % marks for **Assistant Professorship**.

- Aug, 2016 Member of the MOBILITICS group ranking 3rd on **IBM Day 2016** competition in *Dept. of Computer Science & Engineering*, IIT Kharagpur, India.
- 2016 Received **INSPIRE Fellowship** from *DST, India*, India to pursue **Ph.D.**
- 2015 **Topper (Gold Medalist)** in M.Sc. Computer Science from Vidyasagar University.
- 2013 **Topper (Gold Medalist)** in B.Sc. Computer Science from Vidyasagar University.
- 2008 Scored **100 out of 100** in **Mathematics** in Madhyamik Examination.
- 2005 – 2008 Ranked **2nd** in each of the standards VII, VIII, IX, X in school.

Publications

- [1] **Abhisek Chowdhury**. “*FRIDZ: A Framework for Real-time Identification of Disaster Zones*” PReMI 2019. (ACCEPTED)
- [2] Shreya Ghosh, **Abhisek Chowdhury**, and Soumya K. Ghosh. “*A Machine Learning Approach to Find the Optimal Routes through Analysis of GPS Traces of Mobile City Traffic*” Recent Findings in Intelligent Computing Techniques. Springer, Singapore, 2018. 59-67.

Technical Skills

Languages	C, C++, JAVA, Python, PHP, Prolog, UNIX Shellscript, 8085 μ P, Arduino
Databases	Oracle, PostgreSQL, MySQL, MS SQL Server, SQLite DB, PostGIS
Frameworks	JAVA Spring, JAVA FX, JAVA Swing
Library	Tensorflow, Hadoop, Spark, Lucene, Bootstrap
Development	Android, ASP.NET, PHP, JSP, Javascript, AJAX, JQuery, REST API, JSON, XML
Tools	Android Studio, Eclipse, NetBeans, Visual Studio, Dreamweaver, IIS , WAMP, Apache Tomcat, Git

Fields of Special Interest

- Machine Learning
- Data Mining
- Natural Language Processing
- GIS
- Big Data
- Cloud Computing
- Information Retrieval

Academic Projects

- Jan 2015 – May 2015 **Data Mining, RFID Technology and a Mobile Based Information System for Improvement of Safety & Security of School Trips.**, *M.Sc. Final Semester Project*, Vidyasagar University, Midnapore, [LINK].
Supervisor: Prof. Tanmoy Chakraborty,
Dept. of Computer Science, Vidyasagar University, West Bengal, India
- Mar 2014 – May 2014 **ClickCart.com**, *M.Sc. 2nd Semester Project*, Vidyasagar University, Midnapore.
ClickCart.com is an e-commerce web platform implemented using ASP.NET technology in Microsoft Visual Studio, VB.NET language, ADO.NET database technology and IIS 7.0 server.
- Dec 2012 – Apr 2013 **EstateEncase.com**, *B.Sc. Final Year Project*, Midnapore College, Midnapore.
EstateEncase.com is a real estate management website implemented using ASP.NET technology in Microsoft Visual Studio, VB.NET language, ADO.NET database technology and IIS 7.0 server.

Freelancing Works

- Aug 2017 – Nov 2017 **Daily Tracker**, *Daily routine tracking system using smartphone tri-axial accelerometer*, IIT Kharagpur, India, [LINK].

- July 2017 – Sept 2017 **GeoCloud**, *Spatial Data Science Lab*, IIT Kharagpur, India.
Deployment of a small scale cloud setup using Mirantis Openstack 9.0 with 1 Fuel, 1 Controller, 2 Compute and 1 Storage node.
Supervisor – Prof. Soumya Kanti Ghosh
Dept. of Computer Science and Engineering, IIT Kharagpur, India
- Aug 2016 – Nov 2016 **Detecting Traffic Congestion and Anomalous Road Events of Road Networks**, IIT Kharagpur, India, [LINK].
- Mar 2016 **Mobilytics**, *Mobility Summary and User Categorization based on Semantic Analysis of Human Movement Patterns*, IIT Kharagpur, India, [LINK].
Development using Python, Bootstrap framework, JS, JSP, Servlet, Google Map API, Android Materials Library, JSON.
Supervisor – Prof. Soumya Kanti Ghosh
Dept. of Computer Science and Engineering, IIT Kharagpur, India
- Jan 2016 – Feb 2016 **Android API for Visualization & Data Access from WMS**, *GIS Lab*, IIT Kharagpur, India, [LINK].
Idea – Assist android developers by providing a useful set of tools for easy data access & visualization of WMS in the target android application.
Supervisor – Prof. Soumya Kanti Ghosh
Dept. of Computer Science and Engineering, IIT Kharagpur, India
- Dec 2015 **Feedback System for IIT Kharagpur Website**, *Institute Information Cell*, IIT Kharagpur, India.
Developed using JSP, Servlet, CSS, JS, JQuery, AJAX, PostgreSQL.
Supervisor – Prof. Soumya Kanti Ghosh & Prof. Pralay Mitra
Dept. of Computer Science and Engineering, IIT Kharagpur, India

Communication Skills

Bengali	Mother tongue	<i>Read, Written & Spoken</i>
English	Good	<i>Read, Written & Spoken</i>
Hindi	Moderate	<i>Read & Spoken</i>

Hobbies

- Latest Technologies
- Video Games
- Photography

Personal Details

Address	Rabindranagar, Midnapore Town, Paschim Medinipur, West Bengal, India – 721101		
Contact	Mob – (+91) 9046109298, (+91) 9434229961 Email ID – <i>abhisekchoudhury9@gmail.com</i>		
DoB –	13th June, 1992	Gender –	Male
Nationality –	Indian	Religion –	Hinduism
Caste –	General		

Declaration I, *Abhisek Chowdhury*, hereby declare that all the information mentioned above are true to best of my knowledge.

Date – September 17, 2019
Place – Midnapore, West Bengal

ABHISEK CHOWDHURY