

Stiphen Chowdhury

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EDUCATION

- **University of Hertfordshire** Hatfield, Herts
*Phd in Data Science and Machine Learning; **Grade:** Pursuing* Jan. 2017 – Dec. 2022
- **University of Hertfordshire** Hatfield, Herts
*MSc in Software Engineering; **Grade:** Distinction* Sep. 2014 – Dec. 2016
 - **Coursework:** Programming for Software Engineers (C++ & JAVA), Statistical Analysis and Methods for Computer Science, Advanced Databases (SQL & Oracle (PL/SQL)), Software Engineering Practice and Experience.
- **University of East London** Royal Docks, London
*BSc (Hons) in Business Information Systems; **Grade:** First Class Honours* Jun. 2009 – Mar. 2012
 - **Coursework:** Client Server Architecture, Operating Systems, Programming Languages (C++ & JAVA), Advanced Database Development (SQL & Oracle (PL/SQL)), Mark Up Language Application & Web Application Development (PHP, XML, JAVASCRIPT, HTML & CSS), Advanced Information Systems Development, Software Project Management.

EXPERIENCE

- **University of Hertfordshire** Hatfield, Herts
Visiting Lecturer June 2017 - Present
 - **Teaching:** Teach as a member of a teaching team, within a predefined programme of study, in a variety of settings from small group tutorials to large lectures.
 - **Supervision:** Supervise the final year projects of undergraduate and postgraduate students.
 - **Others:** Support lecture planning, preparation and research, administrative work such as timetabling etc.
- **Futuresource Consulting Ltd.** St. Albans, Herts
SQL Server & BI Developer Jan 2015 - May 2017
 - **Data Collection:** Designed the internal survey and crowd sourcing platform which allowed for creating various tasks for crowd sourcing or embedding surveys across the platform.
 - **Data Warehousing:** Setup, schema design and management of Microsoft SQL Server. Built an internal app for access to the data using a web interface.
 - **Content Discovery:** Improved content discovery by building a new on-boarding experience on Futuresource. Using this to personalize the search and browse experience. Also worked on ranking and indexing improvements.
 - **BI Dashboards:** Customer dashboards, which helped customers view their KPI better by providing data on user activity.
- **Amazon UK Ltd.** MK, Bucks
FC Problem Solver Technician 2009 - 2015
 - **Customer Delivery Analysis:** Lead a small team of technical resources to analyse and maintain a CDS (customer delivery system).
 - **Problem Solving:** Solve customer order related problems using amazon proprietary software.
- **Siemex Tex Wear Ltd.** Bangladesh
IT Technical Support Analyst 2002 - 2008
 - **Installation - Hardware & Applications:** Install and configure computer hardware operating systems and applications.
 - **System Support:** Talk staff or clients through a series of actions, either face-to-face or over the phone, to help set up systems or resolve issues.
 - **User Data Analysis:** Analyse user support statistics/data using and recommending appropriate measures.
 - **Troubleshoot:** Troubleshoot system and network problems, diagnosing and solving hardware or software faults
 - **Documentation:** Follow procedures/checklists and updating support documentation.
 - **Others:** Work with Windows servers & applications within a mixed OS environment.

PUBLICATION

- **Doctoral Research**
 - **Unsupervised Learning:** Chowdhury, S. and de Amorim, R.C., 2018. An efficient density-based clustering algorithm using reverse nearest neighbour. (Accepted: Springer - Intelligent Systems).
 - **Feature Weighting:** Chowdhury, S., Helian, N. and de Amorim, R.C., 2019. Automated variable weighting for clustering. (In Progress: IEEE).
- **Masters Final Project**
 - **Supervised Learning & Statistical Analysis:** Chowdhury, S. and Te Boekhorst, R., 2016. Quantifying (using Statistical Analysis and Supervised Machine Learning techniques) decision making in Education.

TECHNICAL SKILLS

- **Languages:** Java, C, C++, SQL/T-SQL, HTML, CSS, JavaScript.
- **Data Analysis Tools and Languages:** Matlab, Python, MS Excel.
-Reference available on request-