Stiphen Chowdhury

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EDUCATION

- **University of Hertfordshire** — Hatfield, Herts
  *Phd in Data Science and Machine Learning; **Grade**: Pursuing* — *Jan. 2017 – Jun. 2020*

- **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-