Swayambita Das

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Available: **May –December 2016**

EDUCATION

Northeastern University, Boston, MA   Aug 2015- Present
College of Computer and Information Science   Expected graduation: Sep 2017
Candidate for a Master of Science in Computer Science, GPA: 3.83/4.0
Related Courses: Programming Design Paradigm, Database Management System,
        Algorithms, Web Development

University of Mumbai, Mumbai, India   Aug 2008- May 2012
Bachelor of Engineering in Computer Engineering, GPA: 4.0/4.0
Related Courses: DBMS, Advanced DBMS, Java, Theory of Computer Science,
        Computer Networks, Mobile Computing, System Programming

TECHNICAL KNOWLEDGE

Languages:	Java, Python, C++, Racket
Technology:	HTML5, CSS3, AngularJS, JQuery, BootStrap, JSP, JSON
Systems:	Windows 7, Mac, Linux
Software:	Eclipse, Visual Studio, Git, WebStrom, Bloomberg Terminal
Database:	MySQL, SQL Server, Oracle, MongoDB
Certification:	IBM DB2

WORK EXPERIENCE

ARP Research LLP, Mumbai, India   Sep 2012- Aug 2015
Research Analyst
- Created research portfolios for strategies such as Convertible Arbitrage and Global tactical Asset Allocation
- Developed and tested the research hypothesis using pandas toolbox in Python
- Created various factors to analyze the investment strategies
- Designed financial dashboards using .Net programming language
- Created a module to store and map Credit Default Swap data to various sectors in Python
- Automated report generation for factor diagnosis, performance attribution and risk exposure of portfolios
- Performed manual and automated quality assurance tests on financial data used to create portfolios

ACADEMIC PROJECTS

Online Auction System
Northeastern University   Sep - Dec 2015
- Developed an online auction system using MySQL Server and JSP enabling user to upload auctions as a seller and to place bids for a product as a buyer

Optical Character Recognition System
University of Mumbai Project   Sep 2011- May 2012
- Developed an application using MATLAB neural toolbox and MySQL to extract alphanumeric characters in an image

Library Management System
University of Mumbai Project   Aug 2011- Dec 2012
- Developed an application using SQL and Java for keeping track of the logs in a library

INTERESTS/ACTIVITIES

- Gold medalist of Inter-College Badminton Tournament
- Travelling – exploring exotic places