Amlan Gupta

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Education

2018 – 2020 **MS. Computer Science and Engineering**, *State University of New York at Buffalo*.
Courses: Algorithms Analysis and Design, Introduction to Machine Learning, Computer Vision and Image Processing, Computer Security

2009 – 2013 **B.Tech. Computer Science and Engineering**, *West Bengal University of Technology*.
Courses: Data Structures, Computer Architecture, Automata Theory, Computer Organization, Operating System, Database Management System

Professional Experience

2014 – 2018 **Information Technology Analyst**, *Tata Consultancy Services*, Kolkata, India.
- Handled full stack development including design and troubleshooting of the product, conducting gap analysis, validation of needs in conjunction with onsite and offshore teams following agile methodology.
- Implemented a chatbot framework that led to 80% cost reduction for client support team.
- Engineered a DevOps model that increased sprint velocity by 18%, reduced code error margin by 28%

2008 – 2014 **Co-founder, Lead Developer**, *Octavio Technologies*, Kolkata, India.
- Provided customized web application solutions to 30+ clients over the years.

2007 – 2010 **Co-founder, Technical Lead**, *Kolspot.com*, Kolkata, India.
- Hailed as the first social networking site for Kolkata residents.
- At its peak, had more than 5000 active members

Technical skills

Languages	Java, Javascript, Python, PHP, C, C++, C#, HTML5, CSS3
Databases	Oracle, MySQL, SQL Server, MongoDB
Frameworks	Keras, Tensorflow, OpenCV, Spring, Hibernate, jQuery, AngularJS, NodeJS, Express.js, Bootstrap, Selenium, jUnit, Jasmine, Cordova
Others	Gulp, Less, Sass, Maven, Git, Svn, Jira, Jenkins

Academic Projects

Fall 2018 Prediction of the subconscious biases of individuals based on data provided by Implicit Association Test (IAT) and geo-tagged twitter data.

Fall 2018 Development of a prediction model to recognize identities based on handwriting. CEDAR Letter dataset, consisting of handwritten letter manuscripts written by 1567 writers was used.

Fall 2018 Development of a linear regression model on the Learning to Rank (LeToR) dataset using stochastic gradient descent

Professional Honors

2018 Star Team Award

2017 Service & Commitment Award

2014 LIREL Honor Rolls