

Pankesh Bamotra

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Education

MCDS	CARNEGIE MELLON UNIVERSITY, SCHOOL OF COMPUTER SCIENCE. MASTER OF COMPUTATIONAL DATA SCIENCE - DECEMBER 2016. ▷ 15-513 Intro to Computer Systems (Summer 2015) - Grade A . ▷ 10-601 Machine Learning (Fall 2015). ▷ 11-642 Search Engines (Fall 2015). ▷ 36-700 Probability and Mathematical Statistics I (Fall 2015).
B.Tech CSE	VELLORE INSTITUTE OF TECHNOLOGY. BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING - MAY 2013 - CGPA 9.24/10. ▷ Data structures and algorithms. ▷ Operating systems. ▷ Linear algebra. ▷ Computer programming and problem solving. ▷ Digital Logic. ▷ Algorithm design and analysis.

Experience

PayPal India Private Limited	SOFTWARE ENGINEER. JUN '13 - JUL '15. Worked with data technology group to develop self-service database provisioning tool for analysts and developers ▷ Refactored legacy code into a maintainable and testable stack. ▷ Developed plug and play solution for Qlikview and Teradata. ▷ Delivered SQL based solution to analyse clickstream data. ▷ Worked with one of the first agile teams at PayPal.
PayPal India Private Limited	SOFTWARE DEVELOPMENT INTERN. JAN '13 - JUN '13. Worked with seller risk management to create early warning dashboards ▷ Developed a SQL based solution to analyse buyer account habits. ▷ Early warning indicator reports used by multiple teams across North America and Israel to analyse fraudulent transactions.

Technical

Advanced	Java 7, Spring framework, Javascript
Intermediate	C, C++, Python 2.7, R, HTML, CSS, Teradata, Qlikview, Tableau

Publications

IOSR Journal (Sep '12)	SECURING GROUP COMMUNICATION IN PARTIALLY DISTRIBUTED SYSTEMS. SYMMETRIC KEY CRYPTOGRAPHY, KEY DISTRIBUTION. Pankesh Bamotra, Prashant Dwivedi, Rajat Pandey, Nishant Gupta
IJSCE (Nov '12)	SECURE TRANSMISSION OF GRAYSCALE IMAGES USING DISCRETE FOURIER TRANSFORM. IMAGE PROCESSING, SECURITY. Pankesh Bamotra, Prashant Dwivedi
IJARCSSE (Dec '12)	IMAGE ENCRYPTION USING PIXEL SHUFFLING. ENCRYPTION. Pankesh Bamotra
IJAIS, FCS (Jan '13)	LRUD SHIFT BASED ENCRYPTION METHOD USING MATRICES. ENCRYPTION, SECURITY, LINEAR ALGEBRA. Pankesh Bamotra
IJAIS, FCS (May '13)	HADOOP AND RISK ANALYTICS. ANALYTICS, FINANCE, BIG DATA. Pankesh Bamotra, Prof. Saira Banu

Certifications

Coursera	Computing for Data Analysis, The Data Scientist's Toolbox, R Programming, Getting and Cleaning Data, Exploratory Data Analysis
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Extra-curricular activities

Public speaking	Vice President for three terms at PayPal IDC Toastmasters and awarded for Competent Communicator milestone, area level international speech contest runners-up in 2014
Sports	Cricket, Badminton, High-altitude hiking