174/ Kishorepura
Kota(Raj), India

KAMALDEEP SINGH THETHI

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EMPLOYMENT

Software Engineer   **PayPal**   **June 2013 - Ongoing**
- Automated the first email migration of PayPal from hardcoded email system to eCAT - standard content management system.
- Implemented and Tested the Gift Card feature in Admin tool for helping agents in adding or updating customers Gift Card in PayPal Account.
- Contributed in development of PayPal Credit (Bill Me Later) for UK customers.
- Won Crowd Favorite Award in CIO Innovation Summit 2014 for the idea SplitPay.

Software Design Engineer, Intern   **Akamai Technologies**   **May 2012 – July 2012**
- Developed a C++ tool to parse Mpeg-Transport Stream (used in broadcasting video, audio and PSIP data), and extracted video chunks from it containing H264 Video Data.
- Implemented the feature of parsing NAL units in H264 for streaming videos on Akamai Servers.

Software Engineer   **NEC India**   **July 2012 – April 2013**
B Tech Project - Developed a tool to communicate and maintain thousands of **NE** (Network Element - Servers) in the network and by taking and analyzing configuration files as backup of these NE's.
- Developed a multi-threaded application using SNMP and FTP protocols to access the NE and to get the configuration file respectively.

EDUCATION

Indian Institute of Technology, Ropar   **June 2009 – April 2013**
- Pursued B. Tech in Computer Science and Engineering with **GPA of 8.01** (May 2013).
- Represented IIT Ropar in **ACM-ICPC** Regional level held at IIT- Kanpur (Dec 2012).
- Secured an All India Rank of **3065** out of 400,000 candidates in IIT-JEE 2009 in first attempt.

- **Undergraduate Coursework**: Data Structure, Computer Architecture, Algorithms Design, Computer Networks, Image Analysis, Digital Electronics Circuits, Discrete Mathematical Structures, High Performance Computing, Database Systems, Artificial Intelligence, Software Engineering.

TECHNICAL EXPERIENCE

Projects
- **Spam Filter (2011)**: Implemented a self-learning algorithm using Bayesian Technique for rejecting an incoming spam mail and accepting the innocent emails.
- **Matching Synonyms (2011):** Implemented a compressed trie for novel storage and consequent fast word searching.
- **File Transfer Protocol (2012)**: Developed a tool for transferring files and chatting in parallel among multiple users connected through LAN.
- **Checkers Game (2012):** Designed an Artificial Intelligence for a checkers game using min-max algorithm and alpha-beta pruning with desired graphical user interface in Java.

Interests - Algorithms, Machine Learning, Artificial Intelligence, Android Development.
Languages-Fluent in Java, Good in C, C++, Python, Matlab
Tools - Comfortable with Eclipse, Netbeans, Matlab, Visual Studio, TestNG framework, Selenium
LinkedIn Profile - *http://www.linkedin.com/in/kamaldeepsinghthethi*