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NIKANT VOHRA

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EMPLOYMENT

Software Engineer	**PayPal India**	**June 2013-Present**

Emerging Initiatives group
- Working on new technologies and ideas that can help PayPal compete in the future
- Implemented an end to end service in Java that allows PayPal Users to share various artifacts like offers, loyalty cards that exist in the PayPal Digital Wallet

Student Developer	**Google Summer of Code**	**Summer 2013**

- Implemented a Hindi to English Language translator for Apertium Open Source Organization.
- Designed the whole translation system from dictionaries to transfer rules.
- Moved the language pair from incubation stage to nursery stage in the list of Apertium projects.

Research intern	**Aston University , Birmingham**	**Summer 2012**

Fall Detection Using Wireless Sensor Networks
- Implemented a prototype that can help in fall detection in elderly people using wireless sensors
- Improved the accuracy of existing fall detection algorithms by about 5%.

Research Intern	**Indian Institute of Technology Roorkee**	**Summer 2011**

- Implemented an algorithm for digital watermarking of colored images using wavelets and Singular value Decomposition

EDUCATION AND ACHIEVEMENTS

Punjab,India	**Indian Institute of Technology Ropar**	**June 2009-May 2013**

- Bachelor of Technology in Electrical Engineering CGPA: 9.23 (on a scale of 10)
- Winner of the institute Silver medal for academic excellence and highest CGPA in the department.
- Awarded the prestigious DAAD and UKIERI scholarships in 2012.
- Undergraduate Coursework: Operating Systems; Data Structures; Algorithms; Computer Networking; Linear Algebra; Probability and Statistics; Introduction to Computing
- Ranked third at All India level in National Science Talent Search Examination
- Selected by the government of India as a part of an exercise to discuss the technology vision of India
- Awarded with a merit certificate from CBSE for featuring among the top 0.1% students in Science.

TECHNICAL EXPERIENCE

Projects
- **OCR for Devanagari Script** (2012-2013). Implemented an OCR system using some machine learning techniques like neural networks that could help in OCR of Devanagari characters .
- **Android File Sharing Application** (2013). Implemented a peer to peer file sharing application for android that used the capabilities of both Wifi Direct and Bluetooth to transfer files among multiple android devices
- **Interpreter (**2011). Designed an interpreter for a Lisp like language in C++ as a part of Data Structure Course Project. The algorithm used generalized lists and stacks to interpret the language.

Languages and Technologies
- C++; C; Java; Ruby on Rails; Python
- Linux ; Eclipse; Matlab; Git