

## **DIVYAN KAVDIA**

### **CONTACT:** ( *Preffered contact type E-Mail* )

LNM Institute of Information Technology, Jaipur, India.

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DOB: 11<sup>th</sup> August, 1988

### **OBJECTIVE:**

Seeking an opportunity for undergoing Summer Research Internship that offers excellent learning and research opportunities in the field of my interests (specifically software programming, web designing, networking or algorithms) that utilizes my potential and skills efficiently to achieve the best.

### **EDUCATION:**

- Bachelor of Technology: Communication and Computer Engineering (July 2009) – The Laxmi Niwas Mittal Institute of Information Technology(LNMIIT),Jaipur(Rajasthan,India)  
**CGPA- 8.24 / 10**
- Class XII: CBSE, INDIA. Modi Public School, Kota. 2005, aggregate 75.00%
- Class X: CBSE, INDIA. St. Paul's Senior Secondary School, Udaipur. 2003, aggregate 84.00%

### **TECHNICAL SKILLS :**

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Programming Languages:   | C(basics), Python, C+ +, VB.NET, Assembly (basics) ,<br>Basic knowledge of Java                                         |
| Web Applications:        | PHP, Java Script, HTML, XHTML, CSS, Java Script                                                                         |
| Database Applications:   | My SQL                                                                                                                  |
| PLC :                    | LAD, STL, FBD                                                                                                           |
| Environments:            | Linux, Windows XP/NT/98/2000                                                                                            |
| Engineering Software:    | Workbench Multisim-8.0.45 and 9, Matlab 7 and 2006a,<br>Code Composer Studio                                            |
| Designing and Animation: | Adobe Photoshop 7 & CS2, Adobe Image Ready, Macromedia Flash8                                                           |
| Other tools:             | Microsoft office+Visio, Microsoft Visual studio,<br>Macromedia Dreamweaver,TkGate<br>WinCC, Intouch ( related with PLC) |

### Research Interest:

- Data Mining and Data Base Management .
- Computer Networking, technologies, protocols and security.
- Wireless Systems and Technologies(CDMA,3G wireless technology, satellite Communication).
- Robotics , Artificial Intelligence and Automating Devices.
- High Performance Analog and Digital Modulation Schemes, Digital Signal Processing and applications, carrier and bit time recovery techniques, carrier synchronization for DSP based digital modems etc.

### IMPORTANT COURSES UNDERTAKEN (till the completion of 5th semester)

#### **a) Computer Science:**

Computer Programming Languages C and Java, Computer Organization and Architecture, Data Structures and Algorithms, Computer networks & Advance Computer Networks, Database Management Systems.

#### **b) Electronics and communication:**

Basic Electronics Devices and Circuits, Semiconductor physics and Devices, Signals and Systems, Digital Electronics, Analog Communications (analysis and transmission of signals, amplitude modulation (DSB-SC, SSB, QAM)), Digital Communication (PCM, DPCM, ASK, PSK, QPSK, FSK), Digital signal processing, Mobile Communication (to be completed by 6th semester), Electromagnetic Theory (to be completed by 6th semester) .

#### **c) Mathematics:**

Calculus – integral and Differential, Complex No's, Graph theory, Modern Algebra and Logic, Mathematical Algorithms and Techniques, Random Variables and Probability Theory.

### Key Academic Projects (till the completion of 5th Semester):

- **Audio Streaming Server and Client as a Networking Lab Assignment using Python .**
- **FTP client as a Networking Lab Assingment using Python.( 5<sup>th</sup> Semester)**
- **Simple HTTP server implementing GET , Post and Head Requests as a Networking Lab Assingment using Python.( 5<sup>th</sup> Semester)**
- **Implementation of 8 bit PCM, ASK, FSK and QPSK Systems in the Digital Communication Lab .( 5<sup>th</sup> Semester)**
- **Online Railway Enquiry and Reservation System using PHP and Mysql (4<sup>th</sup> Semester)**
- **Design and implementation of -5, +5V, -12, +12V current limiting power supply with short circuit protection. (3<sup>rd</sup> Semester)**
- **Software Emulation for the Intel 8085 microprocessor.**
- **Designed a pseudo ISA (instruction set architecture) and implemented it on a self designed emulator. (2<sup>nd</sup> Semester)**
- **Implementation of a digital clock based on modulo-16- counter .(1<sup>st</sup> Semester)**
- **Implemented the TIC-TAC-TOE using C language with user-computer interaction.(1<sup>st</sup> Semester)**

### INDUSTRIAL EXPOSURE:

Underwent a six week industrial training at **Mittal Steel Co., Temirtau, Kazakhstan** from **16<sup>th</sup> May-22<sup>nd</sup> June, 07.**

- **Automated Emulsion System of Cold Rolling Mill** using **LAD, STL FBD, Semantic Step7.**
- Installed and monitored a computer network which included a **Mail Exchange Server, DNS-DHCP Server and Workstations.**
- Configured CISCO devices which included router-**Cisco6000** and switch-**Cisco3550** for fulfilment of the task given.
- Studied and examined the various process involved in making high quality steel.

### Hobbies:

I like playing Mouth Organ, reading novels, surfing net ,sports(cricket, volleyball), games(any kind of pc games like cs, commandos, cricket), developing maps for counter strike.

### Others:

- Two tenures as Member of Mess Committee (1yr and 2 months).
- Successfully carried Movie Club ( One year).
- Member of Astronomy Club.
- Member of Vivacity (college cultural fest) Organizing Team for Two years.
- Assisted professors in various Laboratories.

I here by declare that all the information given above is true to the best of my knowledge and belief.

Divyan Kavdia

BTech. Scholar ,LNMIIT Jaipur

### References:

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| <b>Prof. P. K. Chatterjee</b><br>Academic Dean<br>LNMIIT(INDIA)<br>E-mail : <a href="mailto:pralayk@iitk.ac.in">pralayk@iitk.ac.in</a> | <b>Prof. Anil K Tiwari</b><br>Distinguished professor<br>LNMIIT(INDIA)<br>E-mail : <a href="mailto:anil.k.tiwari@gmail.com">anil.k.tiwari@gmail.com</a> ,<br><a href="mailto:aktiwari@iitkgp.ac.in">aktiwari@iitkgp.ac.in</a> |
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