RESUME

Name: Aakash Agrawal
Sex: Male
Date of birth: 14-09-1992   *Contact no.*: 09459458765
Nationality: Indian   *E-mail*:aakashagr007@gmail.com

CAREER OBJECTIVE:

To mould my career towards the field of Automation and soft computing, and to make the technology within the reach of common people economically.

ACADEMIC STATUS

YEAR OF PASSING	DEGREE/ CERTIFICATE	INSTITUTE	CGPI / PERCENTAGE
2010-Present	B.Tech	NIT Hamirpur, Himachal Pradesh	8.1/10
2010	BIEAP(12th)	Narayana college, Hyderabad	92%
2008	CBSE(10th)	Hindu Public School, Hyderabad	88.8%

TECHNICAL SKILLS

- **Operating systems**: Windows 9x/XP/VISTA/7/8 , Ubuntu 12.04
- **Application Software**: MATLAB-12, MS-Office-2010, Circuit Maker, Adobe Photoshop, Pspice, CMU Sphinx.
- **Programming Language**: C, Keil.

TRAINING AND PROJECTS

- Currently working on the "**Design of controller for Magnetic levitation systems**" using Fuzzy Logic and ant colony algorithm.
- Successfully completed study of "**Chaos control in Induction Machine Drives using Sliding Mode Technique** "as a part of major project under the guidance of Dr. B.B. Sharma**, NIT-Hamirpur** and will be presenting a research paper for the same at conference level in near future.
- Underwent an 8 weeks long **summer internship** in the area of **Speech Technology** at Language Technology Research Centre (LTRC), **IIIT- Hyderabad** under the guidance of Dr. Suryakanth V. Gangashetty.
- Completed the project "**Speaker Identification and Verification System using MFCC and BFCC as a Feature Vector** and **Speech recognition using CMU Sphinx toolkit** "during the summer training from May –July 2013.
- Designed and implemented the automatic control of lights using IR sensors on micro-controller 8051 under the guidance of Dr. Veena Sharma, Associate professor, EED, NIT-Hamirpur.
- Made a program to display the **Fibonacci series** on **8085 emulator** under the guidance of Amit Kual , EED, NIT- Hamirpur
- Made various mini project using IC's on PCB such as **code matcher** (which identifies whether the input number matches the set number), **Calculator** (performing basic mathematical operations) etc.
- Designed few interactive games using Python
- Working on building an android app integrated with embedded systems which can be used for **home automation based on voice commands**.

SCHOLASTIC ACHIEVEMENTS AND HONORS

- Won 1st prize in **wall follower Bot making** and **Security lock designing** event Organized by team OJAS during NIMBUS-2012(Annual Technical Fest of NIT-Hamirpur).
- Won 1st prize in the **mathematica Quiz and probing quiz** at ISTE (Indian Society for Technical Education) convention -Minerva'11.
- Won 2nd prize at district level in the **Maths Olympiad**.

EXTRA CURRICULAR ACTIVITIES

- Served as **Vice President** of **Local Students Chapter** of **Indian Society for Technical Education (ISTE) -** one of the biggest organizations in India working in the field of technical education.
- Served as the **Executive member** of **Finance Team** in **Nimbus**-2010-The Annual Technical Festival of NIT, Hamirpur.
- Served as a Support Member for **ISTE** and **Finance team** of **Nimbus** 2011.
- Served as a house **Vice-Captain** in the school.
- Won **1st** prize in **Shot put** and **chess** tournaments at school level.
- Represented the school's **Handball** and **Basketball** Team at various Inter School Tournament.
- Delivered a Paper Presentation on "**Smart Lighting**" in Prodyogiki organized by ISTE.