
AKSHAY TANEJA

B. Tech Electronics and Communication Engineering

Third Year

INDIAN INSTITUTE OF TECHNOLOGY (IIT) ROORKEE , INDIA

Objective of Internship

To contribute towards ongoing novel researches and to enhance my technical skills and knowledge in the fields of my interest in a institute/company, offering a highly challenging environment for this purpose.

Areas Of Interest

Algorithms, Number Theory, Programming in C++, Machine Learning, Data Structures, Artificial Intelligence, Assembly level programming, Computer Architecture .

Education

2009-present	B. Tech Program, ECE, IIT Roorkee	CGPA. =8.238/10 SGPA. = 8.880/10
2009	Grade-XII,C.B.S.E	88.6%
2007	Grade-X,C.B.S.E.	90.4%

Technical Skills

- **PROGRAMMING LANGUAGES**– C , C++,JAVA,HTML , JAVASCRIPT, ASSEMBLY LANGUAGE.
- **SOFTWARES** – MATLAB , ECLIPSE ,NETBEANS , MULTISIM, AVRSTUDIO , SOLIDWORKS , PSPICE ,ORCAD ,LABVIEW, CISCO PACKET TRACER.
- **HARDWARES** – INTEL-8085 AND INTEL-8086, ATMEGA MICROCONTROLLERS, ARDUINO MICROCONTROLLERS, STANDARD ICs AND FPGAs.

Relevant Core Knowledge

COMPUTER ARCHITECTURE AND MICROPROCESSORS(A+) , DATA STRUCTURES AND ALGORITHMS(A) , DISCRETE STRUCTURES(A+), PROGRAMMING WITH C++(A) , DIGITAL ELECTRONICS (B+), CRYPTOGRAPHY(Going on), Artificial Intelligence(Going on) , SEMICONDUCTOR DEVICES AND TECHNOLOGY (A) , SIGNALS AND SYSTEMS(B+) , LINEAR CIRCUITS(A) , ANALOG ELECTRONICS(Going on), DIGITAL COMMUNICATION (Going on), AUTOMATIC CONTROL SYSTEMS(Going on), ENGINEERING ELECTROMAGNETICS(Going on), MICROWAVE ENGINEERING(next sem), IMAGE PROCESSING(next sem), ELECTRICAL TECHNIQUES(A), ANTENNAS AND WAVE PROPAGATION(next sem) .

Awards and Achievements

- Got **983** rank in IIT-JEE 2009 Out of **4,00,000** students.
- Got **1819** rank in AIEEE-09 with a state rank of **182**.
- Got world-wide 29 rank in September-Long contest on **CodeChef**.
- Co-ordinated **Technokill** in Srishti-2011.
- Got first prize in '**DIGIMAZED**' during SRISHTI-2011.

Projects

- Did a project on **Organic Thin Film Transistor** under Dr. Sanjeev Manhas during June-July 2011.(We will be writing a research paper soon).
- Currently working on **Expression Recognition** .
- Made a **Digital Gambler Circuit** in Cognizance-2011.
- Made a **Racing Track Controller Circuit** in Srishti-2011.

Extra Curriculars

- **Programming on code-chef and spoj** (2010-present)
- **Currently learning Machine Learning and Artificial Intelligence via Stanford's online classroom programme.**
- **Active member of Electronics section** (2009-present)
- **Volunteer member of Central Placement Team of IIT-Roorkee** (2011-present)

- **Active Member of SDS(Software Developemen Section) of IIT Roorkee**
(2009-present)
- **Member of Indian NSS(National Service Scheme) (2009-2010)**

Personal Details

Father's name: Mr. Shanti Lal Taneja

Date of Birth: 16-01-1992

Gender: Male

Category: General

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References

Dr. Sanjeev Manhas

Assistant Professor

IIT Roorkee

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