



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2020	M.TECH Dual Degree 5Y	IIT Kharagpur	7.04 / 10
2015	AISSE	Jawahar Navodaya Vidyalaya, Kottayam, Kerala	95.40%
2013	AISSE	Jawahar Navodaya Vidyalaya, Baghpat, U.P.	10 / 10

INTERNSHIPS

Samsung R&D Institute, Bangalore | Summer Internship (May-July, 2019)

- Systematically tested the transfer accuracy of ImageNet models across other vision tasks.
- Conducted a large scale study of transfer learning across six modern convolutional neural networks e.g. ResNet-50 v1, Inception v3, mobileNet v1 etc. for image classification on twelve image classification datasets e.g. SUN397, VOC2012, DTD etc.
- Conducted in three different experimental settings: as fixed feature extractors, fine-tuned and random initialization. Calculated correlation between ImageNet Top-1 accuracy and transfer accuracy.

Biztime IT Solutions Pvt. Ltd. | Summer Internship (May-June, 2017)

- Was part of the tech-team responsible for designing the whole overview of "Expense Tracker Application" including its database design, UI design, UI implementation and finally deployment on the cloud.
- It is used to keep the track of expenses, lend, borrow among the group of people and generate reports on regular basis.

PROJECTS

Linux Command Shell (C++) | Term Project under Prof. I.Sengupta, Operating Systems laboratory, Spring 2018

- Developed a fully functional linux command shell implemented in C++ which supports all basic and advance commands including internal, external, redirection and pipe commands.
- It has been implemented using inbuilt system calls e.g. fork, pipe, dup, execvp etc.

Online Bookstore (Django, HTML/CSS, Python, Sqlite) | Term Project under Prof. S.Sural & Prof. S.K.G., DBMS lab, Spring 2018

- Built an E-commerce web application through which customers can query a book and place orders. It also gives a platform to sellers to sell their books. It has been implemented using Django framework and SQLite is used as the database.

Online Campus Security Management System (Netbeans, Java) | Term Project under Prof. D.Samanta, Spring 2017

- Built a Java based application through which thousands of security persons within the campus can be controlled in an efficient manner. Security persons can view their duty date, place, start time, end time and can also request manager to take leave or to do over duty. It has been implemented in Java using Netbeans framework and MySQL is used as the database.
- Explored various stages of Software Development Life Cycle including SRS preparation, UML Designing, Implementation and Testing.

Peer-To-Peer Chat Application & Reliable UDP Server (C++) | Term Project under Prof. S.Chakraborty, Spring 2018

- Developed a command line interface based peer-to-peer chat application through which users can chat with each other using terminal. It has been implemented in C++ using TCP socket programming without any intermediate server.
- Implemented a reliable UDP server (for faster, in-order & reliable data transfer), by applying Slow-Start Congestion Control Algo over Sliding Window ARQ Protocol over UDP.

MiniMatlab (C) | Term Project under Prof. P.Mitra, Compilers, Autumn 2017

- Implemented a compiler lexer, parser, machine - independent code generator and target code generator for MiniMatlab (a subset of C language) in C / C++ using flex and bison libraries.

AWARDS AND ACHIEVEMENTS

- Selected for Kishore Vaigyanik Protsahan Yojana 2015 (KV PY) organized by IISC Bangalore.
- Scholarship awarded by Dakshana Foundation for academic excellence in class 10th and GDST (Grand Dakshana Selection Test).
- Recipient of CBSE merit certificate for scoring highest in Hindi examination in class 12 CBSE Board examinations all over India (99/100).

SKILLS AND EXPERTISE

Languages : C, C++, JAVA, PYTHON**Tools :** Docker, Git, NetBeans, Eclipse, Anaconda**Web Skills :** HTML, CSS, PHP, MySQL, AWS, Django**Operating system :** Windows, Linux/Unix

COURSEWORK INFORMATION

Relevant courses :

Software Engineering*, Operating Systems*, Programming and Data Structures*, Algorithms - I* and II, Compilers*, Data Analytics, Machine Learning, Computer Networks*, Database Management Systems*, Image Processing, Cloud Computing, Object Oriented Systems, Intelligent Game Design, Formal Language and Automata Theory (*Theory and laboratory)

Online courses: Cloud Computing with AWS(Udemy), Python & Graphics(Internshala VTC), Deep Learning Specialization(Coursera)

POSITIONS OF RESPONSIBILITY

Web Team Head | Rankethon (July - December, 2017)

- Responsible to lead a team of 15+ people responsible for maintaining main website of Rankethon and regularly updating it.
- Organized Web development workshop across different cities with other members of the web team.

EXTRA CURRICULAR ACTIVITIES

- Worked as a NSS (National Service Scheme) volunteer for two years, helped poor people and taught English to the local children. Conducted regular weekends classes for the village students and organized medical camp for women and villagers regularly.