SACHIN KUMAR | 15CS30025

COMPUTER SCIENCE & ENGG. (M.Tech Dual 5Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2020	M.TECH Dual Degree 5Y	IIT Kharagpur	7.21 / 10
2014	AISSCE	Central Board Of Secondary Education(CBSE)	85.4%
2012	AISSE	Central Board Of Secondary Education(CBSE)	9.4 / 10

SKILLS AND EXPERTISE

Languages : C, Java,Python,Verilog,Mips,Google Polymer   **Software :** NetBeans,Mars,Xampp,Lamp,FileZilla
Operating system : Windows, Linux/Unix   **Other Skills :** Git,Google cloud ,AWS,tmux
Web Skills : PHP, MySQL,Django, HTML, CSS, JavaScript,Laravel,CodeIgniter,Angularjs,Ajax,Jquery,Bootstrap

COURSEWORK INFORMATION

•Programming and Data Structures • Algorithms - I* and II • Operating Systems* • Formal Language and Automata Theory • Computer Networks* • Intelligent Game Designing* • Database Management Systems* • Computational Geometry • Software Engineering* • Data Analytics • Computer Organization and Architecture* • Compilers*
* : The course had a lab component

INTERNSHIPS

Stochastic Solutions PVT. LTD(Gurugram,India)-21st May 2018 to 20th July 2018

Worked at Stochastic Solutions PVT. LTD. as a **Backend Developer** (Intern). During my internship,worked on the design and implementation of a **crowdsourcing platform** for educational institutions. I worked on the PHP language using **Codeigniter** framework and various aspects of the software platform, including the **algorithms**, **database management**, integrating **public APIs** and user-interface.I implemented the modules using **Google Cloud** Platform and **Polymer** and developed considerable expertise in using them.

GoldenHour Systems PVT. LTD.(Mumbai,India)-5th May 2017 to 5th July 2017

Worked at GoldenHour Systems PVT. LTD. as a part of my Technical Internship. I worked here on live console using **Laravel** Framework, **AngularJs**, **Jquery**, **HTML**, **CSS**, and **Bootstrap**.
Here, I designed and implemented a web page to filter the data and show insights between any two parameters. In it, a user can select any table from the database and then make a query by just selecting options from the drop-down.After filtering user will get the option for Insights and gets an option to export the filtered data as CSV file.

PROJECTS

Online Book Store | Project Under - Prof.Shamik Sural(IIT Kharagpur)

Designed a web-based application ,Using Python/Django, Html5 / Css3, Json .Designed **ER Diagram** of Database and **Data Flow Diagrams** Based on the application functionalities.This application allows the users to see the books , add them to the cart , then order them.It also shows the order status whether it is shipped, ready for delivery or delivered. A seller can add a book to the bookstore,see their orders and update order status.

Online Flight Management System | Project Under- Prof. Sudip Mishra(IIT Kharagpur)

Designed a Linux/Unix based application ,Using Java.Designed **DFD** and **UML Diagrams** Based on the **SRS** developed earlier.It allows the passengers to signup, search flight for given details, book/cancel the ticket. Administration can create an account, add flight detail and update/manage passengers profile.

File Transfer Application |Project Under -Prof. Sandip Chakraborty(IIT Kharagpur)

Designed a Linux/Unix based application Using **socket programming** in C.Implemented **Go Back N ARQ** protocol with **slow start congestion control algorithm** for File Transfer Prototype.

KnowRate

It is an e-commerce website without payment gateway. It allows the peoples to see the products, get the seller details and contact them for making the purchase. It allows the shopkeepers to post their items for sale, details about the items and some details about their shop .so, the customers can contact them. Hosted website using apache, maintained **DNS** records, generated free **TLS/SSL certificates** using let's encrypt.

AWARDS AND ACHIEVEMENTS

2015 : Secured All India Rank 26 in Uttar Pradesh technology university exam 2015 (UPTU).
2011 : Participated in school level Mathematics Exhibition and secured 2nd position.

EXTRA CURRICULAR ACTIVITIES

•Worked as an NSS (National Service Scheme) volunteer for two years, helped poor people .
•Participated in NVS National Kabaddi Meet under 19, boys in October 2012.
•Worked as school-captain in Jnv Sitapur during my last year of schooling (2014).