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## **EDUCATION:**

### **Masters in Software Engineering Systems**

**(6<sup>th</sup> Sept 2023 till date)**

Northeastern University, Boston, Massachusetts

### **Bachelor of Technology in Computer Science and Engineering (B.Tech- C.S.E)**

**(2017-2021)**

Dr. Akhilesh Das Gupta Institute of Technology and Management, GGSIPU, New Delhi, India

**CGPA: 8.32**

### **XIIth-CBSE**

**(2016-2017)**

Delhi Public School, Faridabad, India

**Aggregate: 64.89%**

### **Xth-CBSE**

**(2014-2015)**

Delhi Public School, Faridabad, India

**CGPA: 9.0**

## **INTERNSHIP:**

### **Tech Mahindra**

**(22<sup>nd</sup> March to 2<sup>nd</sup> July 2021)**

#### **Intern**

- During Internship, worked with Tech Mahindra team on CPWD Project at Nirman Bhawan, New Delhi. The Project was part of Business Process Re-engineering (BPR) for CPWD to provide State-of-the-art end – to– end IT solution.
- The project envisaged to develop ERP application aimed to fully automate the workflow processes of CPWD through modern IT tools such as **Data Analytics, Machine Learning and Artificial Intelligence.**

### **CS SOFT Solutions (I) Pvt. Ltd.**

**(15<sup>th</sup> June to 15<sup>th</sup> July 2020)**

#### **Intern**

- During Internship, worked with CS SOFT Solutions (I) Pvt. Ltd team at Mohali, Punjab on the project Diving Specials.
- This application was developed to book diving packages across various worldwide destinations, gained hands on experience on V-log section along with the main developer.
- Technologies learnt: -  
Front end: **AngularJS, Asp.Net MVC, Asp.Net Web API, Asp.Net Entity, Entity Framework**  
Back end: **SQL Server**

## **WORK EXPERIENCE:**

### **Accenture**

#### **Application Development Associate**

**(28<sup>th</sup> Oct, 2021 till 1<sup>st</sup> June, 2023)**

#### **Application Development Analyst**

**(1<sup>st</sup> June, 2023 till present)**

- Role: To design, build, test, assemble and configure application using business requirements.
- I did my stream training in Cloud native microservices and developed a project – Available Capacity View, a software to manage and distribute resources within the organization. It provides end-user three views for selection to their preference. End-users can be new joiner, existing employee, and admin.
- Worked in a team of 15 people in a project and developed a full- stack web application for various clients like ICICI, HDFC, BOB, etc to save time and improve the flow of operating. Tested software for bugs and operating speed, fixed bugs, and documented processes to increase efficiency.
- Worked in a team of 20 people to develop a responsive web application for the organization and tested different trackers for easy monitoring of resources through PowerApps and data connection using SharePoint and excel.
- Technologies learnt: -  
Frontend:  
**ReactJS,CSS,JavaScript ,TypeScript**  
Back end: **Spring, Spring Boot and Spring Security, NestJS**  
Testing: **Robot Framework, Selenium**  
Database: **MySQL**
- Currently working on company's project for US based multinational financial services company.
- Giving detailed daily progress reports to higher management and clients.
- Coordinating with team members for timely completion and delivery of defect free projects.

**PROJECTS:**

**Development of Application for real time automated monitoring of SOCIAL DISTANCING and FACE MASK**

### **DETECTION for prevention of COVID-19**

- Building a robust model, using modern deep learning algorithm along with geometric techniques, for real-time automated monitoring of people to detect violations regarding wearing face mask, social distancing for prevention of COVID-19 through cameras installed in public places.
- Technology used: **TensorFlow, Python, Scikit-learn, Computer Vision (Open CV), Scientific Python (SciPy)**
- GitHub Link: <https://github.com/mridulapbk/Social-Distance-and-Face-Mask-Tracker-main>

### **SPORTS E- COMMERCE WEBSITE**

- We built a Sports E-Commerce website integrated with a dummy payment gateway, PayPal in our case. Sentiment Analysis was applied as an added feature to help the customers decide on buying a product with the help of pre-existing product reviews; by filtering positive and negative reviews based on keywords highlighted in a review.
- Technology used: **MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS)**
- GitHub Link: <https://github.com/mridulapbk/ProShop-E-Commerce-main>

### **STOCK PRICE PREDICTION SYSTEM using Machine Learning RNN- LSTM**

- The project aimed to utilize Deep Learning models, Long-Short Term Memory (LSTM) Neural Network algorithm, to predict stock prices.
- Technology used: This project was implemented in **Python programming language, Machine Learning** along with **Classification Algorithms**.
- Libraries used: Keras, TensorFlow, Pandas, Matplotlib, Scikit-learn
- Git for project organization

### **CERTIFICATIONS**

- Google Cloud Certified Associate Cloud Engineer Certification (10<sup>th</sup> April, 2023)
- Microsoft Certified Azure Fundamentals (AZ-900) Certification (24<sup>th</sup> May, 2023)
- Microsoft Certified Azure Administrator Associate (AZ-104) (9<sup>th</sup> June, 2023)

### **EXTRA CURRICULAR:**

Sports – Badminton

- Silver medalist in College Annual Sports Meet-2019
- Gold medalist in College Annual Sports Meet-2018
- Silver medalist in Inter-college BITS Open Sports Meet – 2018

### **LEADERSHIP AND VOLUNTARY ACTIVITIES:**

#### **Rotaract Club of Ignited Youth (District 3011)**

- Worked as Director International Services during 2020-2021. Serving this position, worked with various Rotaract clubs, assisted them with all the information and guidelines required to work internationally with other clubs and guided them in executing various international service events and flagship projects.

#### **IEEE**

- Worked as Event head, participated in the conduct of various technical events of the college like TECNORAX v 5.0 in 2019.

#### **Voice of Voiceless, NGO**

- Worked as a Volunteer for welfare and care of abandoned helpless animals.

### **TECHINICAL SKILLS:**

- Programming Languages: C/C++, JAVA, SQL(MySQL), HTML, CSS, JavaScript, Data Structures and Algorithms
- Tech Stack: MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS), Spring, Spring MVC, Spring Boot, JPA, Microservices, Robot Framework, GCP, Azure, Selenium
- Platforms: Excel, Word, PowerPoint, PowerApps, Visual Studio Code, Eclipse IDE, PyCharm, GitHub

### **RESEARCH PAPER:**

- “Sentiment Analysis for E-Commerce” The International Journal of Creative Research Thoughts (3<sup>rd</sup>, Mar’21)  
<https://ijcrt.org/papers/IJCRT2103119.pdf>
- “Social Distance and Face Mask Detection” The International Journal of Creative Research Thoughts (7<sup>th</sup>, Jul’21)  
<http://ijcrt.org/papers/IJCRT2107240.pdf>

### **ADDITIONAL SKILLS:**

- Ability to work under pressure
- Team work
- Time Management
- Analytical Skills
- Multitasking
- Problem-solving