

EDUCATION

Virginia Tech

Masters in Computer Engineering GPA : 3.76

Coursework:Data Analytics, Advanced Machine Learning, Computer Vision, Theory Of Algorithms, Cyber Security and IoT

Blacksburg, VA
Jan '22 - Dec '23

Jawaharlal Nehru Technological University

Bachelor of Technology in Electrical and Electronics Engineering GPA : 9.78

Hyderabad, India
Aug '15 - May '19

TECHNICAL SKILLS

- **Languages:** Python, Java, MySQL, PostgreSQL, HTML5, CSS3, React, Angular, MongoDB, Javascript
- **Reporting Tools:** QlikSense, Tableau, PowerBI, Set Analysis in Qlik, SSRS, Data Visualization
- **Software Tools:** Visual Studio, Eclipse, Figma, Spring Boot Framework, SSIS, SSMS, Git, Github, SVN
- **Certifications:** Certified Scrum Master(CSM®) by Scrum Alliance [Link], Google Data Analytics Professional Certificate [LINK],Coursera Python For Everybody Professional Certificate [LINK]

EXPERIENCE

Virginia Tech - Bradley Department of Electrical Computer Engineering

Graduate Research Assistant

Blacksburg, VA
April '22 - Present

- Gathered and Mapped Tropical Weather outlook data from National Hurricane Center (NHC) and trained a model(HWRF) to analyse and predict the tropical storm formation probability
- Conducted analysis on the previous years historic data and tabulated the observations which greatly helped in shortening the time to predict the storm formation chance **8%**
- Developed interactive charts and visualizations that provides a gist of mismatches in a season by majorly using python libraries **Plotly,matplotlib**

Deloitte Touche Tohmatsu Limited

Software Engineer 1

Hyderabad, India
June '19 - December '21

Sectors: Health care, Consumer, Banking, Hospitality

- Designed and developed responsive, cross-platform dashboards for enhancing business operations in hospitality sector, which ultimately helped in improvising the Management Action Plan (MAP)
- Worked on data mining for large financial datasets to create static reports and providing insights, also involved in delivering many complex SQL schema to reduce data loading times for client interface web applications.
- Defined key **KPI's** to track effectiveness and measure of new features and testing them using A/B testing strategy which increased the overall user growth and engagement by **9%**
- Worked on development of in-house performance metrics to gain enhanced operation insights and improve departmental efficiency.
- Analyzed user behavior and presented response strategies to implement new scoring model for calculating Driving score resulting in an impact of **\$1.5M** reduction in costs contributing to long term vision of the client

PROJECTS

High Frequency Stock Market Forecasting

- Performed literature review for selection of statistical and machine learning techniques in comparative analysis.
- Analyzed the behaviour and performance of LSTM model with and without the technical indicators.
- The accuracy remains less than **50%** and doing this project i learnt that technical indicators have a lot of impact over forecasting.

E-commerce portal

- Conceptualized and built an online shopping portal with business management and analytics dashboard helping in decision making for analytics and sales.
- Integrated pug as template engine along with authentication using JWT ,and various npm packages to add features such as generating paymentreceipt, preventing CORS, CSRF attacks.

Customer Segmentation

- Worked on a highly imbalanced dataset to analyze the customer trends and generate insights for business optimization.
- Successfully created clusters and presented data-driven market approach layout at inter collegiate competition.

POSITION OF RESPONSIBILITY

Elected Coordinator of Computer Society of India

- Organized workshops, Technical events and technical seminars for the students to improve their technical skills.
- Facilitated Events to boost students confidence to face interviews
- Organized workshops, events and fests,ted talks to bring out the drive to code among the students of the college