Nitesh Sharma in ☐

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ACADEMIC DETAILS
Up to 2nd semester

Year	Degree	Institute	Performance
2020-22	M.Tech (Industrial & Management Engineering)	Indian institute of Technology Kanpur	**8.9*** CPI
2014-18	B. Tech (Mechanical Engineering)	National Institute of Technology Srinagar	88.05 %
2013	Class XII C B S E	Army Public School Jammu Cantt	84.6 %
2011	Class X C B S E	Army Public School Jammu Cantt	8.4 CGPA

INTERNSHIPS

Axtria Ingenious Insights (Summer Intern)   *may 21 – July 21*

Project: **Information Security Management**   ***Got Pre-Placement Offer***
- VAPT (vulnerability Assessment and Penetration Testing) and remediation for all of their cloud servers and could applications
- ZScalar: Membership Management of Axtria Employs, Updating the Firewall and policies to block malicious Ips and Domains on daily basis.
- Involved in the POC of tenable and Carbon Black: Configured required systems of Axtria to initiate required scans for POC.

RG Enterprises Pvt. Ltd. (Data Science Intern)   *Nov 20 – April 21*

Project 1: **Intraday Trading strategy Building, Back testing and optimizing**
- Pretesting Intraday Strategies to build and improve efficient Quantitative Strategies, Using Calmar ratio & Sharpe ratio to check performance.

Project 2: **Build and deployed ML Model to predict top 10 trending stock for a day**
- Developed a data transformation and Feature engineering Pipeline to generate required dataset for model training.
- Finally developed best model, successfully deployed, Improved results of existing strategies by better stocks selection.

VOLUNTEERING

Pollinate Energy (Student Fellowship Program)   *July 16-Aug 16*
- Visited Slum communities in Lucknow, India, to understand their needs and type of products that can improve their lives. (Gather Data)
- Helped international Colleagues to navigate and understand the unique slum community context.   **LOR**

ACADEMIC PROJECTS

Marketing Research	**Analyzing efficacy of eLearning at IIT Kanpur and identifying features to blend with existing classroom education.** - *Qualitative research*, developed *Management decision problem* and *market research problem*. Developed various hypothesis, Target population was the IITK student community. - We Prepared Questionnaire using the inputs from focus groups, depth interviews and secondary analysis, sampling, gathered the data. **Hypothesis testing**, *Test statistic used are*: **t-test, chi square test, one sample t test, P value**
Time Series Analytics	**Predicting CO_2 emissions resulting from Natural Gas consumption in US, for electricity Power Generation** - Trend, seasonality, cyclicity of data, Decomposition of data, Box cox transformation. Implementing ***Holt's Winter additive model***, - Implemented **SARIMA model.** Evaluated performance using *RMSE value*, *Residual Analysis*.
Statistical Modeling for Business Analytics	***Multiple Linear Regression*: Analysis of the Advertising Media affecting Sales** - Implemented single regressor models considering independent variables individually, Implemented Multiple Linear regression. - Multiple R squared and adjusted R square values, residual standard error, Variance inflation factor used to evaluate models.
Computer Aided Decision Support Systems	***Designed and deployed a Car workshop inventory management Decision Support System.*** - Designed MySQL Database – Entity Relationship Diagram, schema, Designed **Dashboard** for manager – predicting *forecasted demand* and inventory management, an automatic system to generate new tickets for new Workshop customers work. - Tools used: **HTML, PHP, Java Script, MySQL [Bootstrap]**
Applied Machine Learning	***Movie Review Sentiments Analysis NLP.*** - Counter Vectorization and TF-IDF implementation, NLP, sentiment analysis, 5 class labels - Logistic Regression Implementation, using Accuracy, Recall, Precision, F1, support values.
JAVA	**Command Line Based Chatting Application using Socket Programing and multithreading.** - Implemented Socket programing and multithreading. Group chat is possible, one computer acts as server and other as client.

RELEVANT COURSEWORK AND SKILLS

Coursework	Introduction to computing, Probability and Statistics, Operations Research, Data Mining, Applied Machine Learning, Time Series Modeling for Business Analytics, Business Management using Cloud, Marketing Research, Statistical Modeling for business Analytics.
Top Skills	Coding, Data Structure and Algorithms, Python, R, SQL, Machine Learning, Probability & Statistics, Problem Solving

CERTIFICATIONS
- Problem Solving (Intermediate) certificate – HackerRank
- SQL for Data Science UC DAVIS, - *Coursera*
- Machine Learning Algorithms: Supervised Learning Tip to Tail   - *Coursera*

POSITION OF RESPONSIBILITY

- ❖ **Senior Alumni and corporate relations coordinator, IME IIT Kanpur**   *since* Aug' 20
  - Organized Alumni meets, weekly webinars, and smooth conduction of the Webinars.
  - Fully updated Alumni database, and maintaining our LinkedIn page to maintain Alumni Relations.
- ❖ **Teaching Assistant** for the course ***Data Mining and Knowledge Discovery IME672A***   *since* Aug' 21
  - Help in Designing the Quiz, evaluating the answer Scripts, Organizing the class Meetings etc.,