AKASH YADAV

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EDUCATIONAL QUALIFICATION

Year	Degree	Institution	CPI/%
July'16-Present	B.S. **Economic Sciences**	Indian Institute of Technology, Kanpur	7.2/10.0
2015	AISSCE	Kendriya Vidyalaya Itarana, Alwar(CBSE)	90%
2013	AISSE	Kendriya Vidyalaya Itarana, Alwar(CBSE)	10.0/10.0

WORK EXPERIENCE

- **Project Manager Intern**   **Dec'19 - Jan'20**
  Organization: National Institution for Transforming India, Govt.of India, New Delhi
  ◦ Strategized the **introduction of private passenger trains in Indian market** on 150 routes worth of Rs22500 crores investment.
  ◦ Developed the **financial model** for private partnerships in passenger trains predicting equity IRR in possible scenarios.
  ◦ Suggested a **range of 5-8% of share in Gross Revenue** to balance the profit conditions among IR and private players.
  ◦ Researched to **boost the revenue to 130%** for the fastest trains of the clusters, subjected to the demand of passengers.
  Achievement: *Employed an interactive model on operating variables to **estimate profit for next 35 years**(concession period).*

PUBLICATIONS

- Akash Yadav. **Financial aspects of Minimum Income Support Programme(MISP) on Economy** (**Public Finance**)
  Indian Journal of Economics and Development.August 2019,Vol 7 (8). ISSN(Print): 2320-9836 ISSN (Print):2320-9828
  ◦ Interpreted the **after-effects of implementing MISP** in emerging market economies using various economic models.
  ◦ Analyzed the planned Scheme, announced as **Nyuntam Aay Yojana by INC** using **Harrod-Domar Model.**
  ◦ Concluded the **validity of such schemes** in different scenarios based upon the composition of GDP using **regression models**.
  ◦ Interpreted **improved ways for policy financing** in emerging markets with higher a growth rate of the economy.
  Achievement: *Invited as a poster presenter/Speaker in World summit at management sciences,at Khaosan Viengtai, Thailand*

ACADEMIC PROJECTS

- **Bankruptcy in Indian Aviation Market (Business Finance)**   **May'19 - Jul'19**
  Mentor: Professor Bikramaditya Dutta, Dept. of Economic Sciences, IIT Kanpur
  ◦ Reviewed the **business ground for the Indian Aviation market** concerning to investors and the airline industry players.
  ◦ Evaluated the balance sheets of **Jet Airways(India) Ltd.** and **Interglobe Aviation Ltd.** for their expenses in the last 5 years.
  ◦ Predicted the **next bankruptcy and its drivers**(both macro and micro factors) in Aviation Markets.
  ◦ Suggested measures to be taken by Government and Corporation to bring **stability in the market with highest growth rate**.
  Achievement: *26% decline in share prices of Interglobe Aviation Ltd(INDIGO) from Sep19 to Dec'19 in the next 4 months.*

- **Optima in Capital Financing (Corporate Finance)**   **May'19 - Oct'19**
  Mentor: Professor B.V. Phani, Dept. of Industrial and Management Engineering, IIT Kanpur
  ◦ Deduced optima in **Capital Financing using regression techniques** on available data of Industries from **Prowess Database**.
  ◦ Studied the trend in **Capital budgeting** with size, nature and business cycle of the firm using **Data Analysis**.
  ◦ Investigated the effect of macroeconomic factors on **Market Timing Hypothesis** for firms of different capital structures.
  ◦ Researched to find better models to predict the stability of **Investment in Capital Expenditure** using risk-adjusted NPV/IRR.

UPCOMING PROJECTS

- **Interpretive Structural Modelling Approach**   **Dec'19- Ongoing**
  Mentor: Professor S C Misra, Dept. of Industrial and Management Engineering, IIT Kanpur
  ◦ Implemented the various **Machine Learning** Technique available for **Data Analysis** On Hospital Inventory System Analysis.
  ◦ Studied the effect of **Pre-Modelling Research** in the process of data analysis and result estimation in the case of **Big Data**.
  ◦ Interpreting the transformation of unclear and poorly articulated mental models of systems into visible, **well-defined models**.

- **Portfolio Management and Analysis**   **Jan'20- Feb'20**
  Mentor: Professor Suman Saurabh, Dept. of Industrial and Management Engineering, IIT Kanpur
  ◦ Performed Security Analysis and Portfolio Management as a viewpoint of the fund managers in the financial markets.
  ◦ Conducted **Valuation, Allocation and Security selection** of equity and fixed income securities in the financial market.
  ◦ Recommended the high return opportunities available in Indian Financial Market based on **Technical Analysis**.

- **Principle of Database System**   **Jan'20- Ongoing**
  Mentor: Professor Arnab Bhattacharya, Dept. of Computer Science & Engineering, IIT Kanpur
  ◦ Interpreting the results from both **unstructured and unrelated data** of high volume and variety using NoSQL.
  ◦ Implementing and analyzing different type of NoSQL databases for constant and faster data feed in a high volume.

EXTRA CURRICULAR ACTIVITIES

- **Full Stack Portal Development Intern**   **Jan'18 - Apr'18**
  Organization: Aman Movement, Gurugram
  ◦ To develop an online portal to **access, register and update real life cases** registered with **181 India Helpline** in their database**.**
  ◦ Used CSS, HTML, and Javascript to Add features like adding comments to the thread, making a call, sending an e-mail or transferring to the next module with an attachment of records based on the inputs.
  ◦ Successfully created an online portal with required features on "**181india.in**" under "**Real-time Advice**".

RELEVANT COURSES

Financial Economics(A*)	**Database Management System***	**Security Analysis and Portfolio Management***
Foundation of Finance	**Data Structure and Algorithms**	Introduction to Mathematical Economics
Financial Engineering*	**Econometrics**	Computational Methods in Engineering
Infrastructure Financing	Indian Economic Problems	**Applied Probability and Statistics**

TECHNICAL SKILLS

Languages: C, C++, HTML, CSS, Java, Python, R, PHP, JavaScript

Software/Tools: Latex, NetBeans, Matlab, MySQL, Prowess, MS-Excel (Data-analysis),Stata, NoSQL

CO-CURRICULAR ACTIVITIES

Academics	• Impact of **Trump's Election on Financial Sector** (Self- Research Project).	Aug'17 - Dec'17
	• Reviewed news articles on Crude oil Prices by OPEC countries from '**The Economic Times**'.	Nov'18
POR	• Senior Executive, Marketing Team. Techkriti'18(Asia's largest technical fest).	
Miscellaneous	• Conducted a college-level **Rifle Shooting Championship** in August'17.	
	• Assisted in organizing **Story writing workshop** at the college campus in June'17.	