SUYASH GUPTA
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

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WORK EXPERIENCE

Morgan Stanley - India at Mumbai, India   **Technology Analyst**   Aug'19 – till date

1. Created a virtual trading platform using which client can buy & sell stocks and manage its portfolio
2. Used Angular framework for front End and Spring Framework for creating Backend; testing done using Junit tests
3. Technically trained over advanced C++, Java, C# and Scala for production-level coding at the company
4. Learned Trading with virtual money and undergone Financial Training on Stocks, Options, Risk management etc.

ACADEMIC QUALIFICATIONS

Examination	Degree	Year	CGPA
Level 1	CFA	2020	TBA
B. Tech	IIT Kharagpur	2019	7.74
12th	CBSE	2014	91%
10th	CBSE	2012	9.6

ACADEMIC DISTINCTIONS

- Learned additional courses in **Mathematics & Computing dept**. with an additional CGPA of **8.6 / 10**   2017-2018
- Maintained Excellent Academic record and achieved **Department Rank 2** at IIT Kharagpur   2015-2017
- Secured **International Rank 7** in International Mathematics Olympiad   2009-2010
- Secured **National Rank 91** in National Science Olympiad   2013-2014
- Among Top 0.4% in General Category from top 150,000 in IIT JEE Advance Examination   2014-2015

INTERNSHIPS

Wipro Limited at Chennai, India   **Star Internship Program**   May'18 - Jul'18

1. Using *Recommendation System* created application for Wipro Customers to predict *maturity of Business processes*
2. Used Deep Learning algorithms *(Restricted Boltzmann Machine and Auto Encoders)* to present series of questions
3. Customers are *consulted* based upon their maturity, which is analyzed using *Exploratory Data Analysis technique*
4. Received the coveted **Pre-Placement Offer (PPO)** for Excelling in the internship program

Ideaspring Capital at Bangalore, India   **Technology & Research Internship**   May'17 - Jul'17

- Assisted Investment Team in *technological and analytical due diligence* of startups for consideration of Investment
- Evaluated startups' analytical data to rate performance on 12 parameters & developed a real time model
- *Segmentation* of the startups' data & analyzed viability under mentorship of Mr. Deepak Agrawal, AVP at firm

Xian Jiaotong - Liverpool University at Suzhou, China   **Student Exchange Program**   May'16 - Jun'16

- Selected to work on project "*Green Power Now*" an initiative by China Govt. to boost use of renewable resources
- Studied renewable energy models for awareness campaign held across *Beijing & Shanghai*, organized by AIESEC

Indian Institute of Management Calcutta at Kolkata, India   **Business Intelligence**   Dec'15 - Jan'16

- Worked on a telephony initiative aimed at connecting people across India, incubated at IIM Calcutta Innovation Park
- Witnessed early stage startups and their Financing through Incubation Park & their affiliates in various seminars
- Assisted startup in creating a Business Plan and also learnt about financial model created by startup

RESEARCH PUBLICATIONS

Determining Indicators of a Company's Failure (Financial Analysis using Machine Learning)

- Authored under Prof. Abhijeet Chandra of VGSOM, IIT KGP. Awarded for 1st position in an international conference
- Calculated - Liquidity Ratio, Asset Utilization Ratio, Profitability Ratio, Net Profit Margin, Asset Ratio for 200+ Cos.
- Studied Altman Z and Ohlson's financial models for bankruptcy predictions with an efficiency of 95%
- Used Random Forest, Support Vector Machines, Time Series analysis and Recurrent Neural Networks (RNN)

PROJECTS

Decentralized User Authentication using Blockchain (B.Tech project – Computer Science Department)

- Decentralized app for User authentication and Login in apps, under prof. Sandip Chakraborty of CS dept.
- Application will be developed in Collaboration with IBM and developed over Hyperledger Fabric.
- Technologies Used: Solidity, Mist, Metamask, Go-Ethereum, Web3 and Truffle

Hybrid Mobile App - ExpenCalc (Personal Expense Tracker)

- Created app with MongoDB database & NodeJS to keep track of expenses and handy calculations.
- Used Ionic Framework and AngularJS along with HTML, CSS, Bootstrap and Javascript for multiplatform
- Used Mongolab for hosting database and Heroku to deploy server online for full-fledged application development

CASE STUDIES

Tech General Championship (2017 & 2018)

Case on Aviation Industry. Applied frameworks like SWOT & suggested measures to improve efficiency of Company

SKILLS

Venture Capital | Financial Management | Financial Analysis | Stock Market | Risk & Return Management
Languages: C, C++, Java, C#, Scala, Python, JavaScript, Typescript
Machine Learning: Regression, Time Series, Classification, Clustering, Neural Networks

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POSITIONS OF RESPONSIBILITY

Departmental Rep
UG Student Council
- Got elected from the students' community to represent 600+ students in the UG Council
- Took up students' issue to the Dean (UG) & contact alumni for placement talk & activities

Associate Member
Entrepreneurship Cell
- Organized Global Entrepreneurship Summit (GES) with footfall of **1500+** in 2016
- Promoted E-cell events across colleges in M.P. & connected with 25+ Sponsors
- Helped startups in B-Plans & arranged deals for web hosting, payments etc. for startups

Core Team Member
The Street Finance Club
- Organized a Virtual Stock market competition by ICICI Bank at campus with **300+** footfall
- Awareness drive for Students to give practical training on using Bloomberg Terminal

COMPETITIONS

Smart India Hackathon
by MHRD (2018)
- Built web app to retrieve similar images based on content of database of GeoTIFF images
- Trained Inception-V3 model to extract feature and ranked based on ANN package Annoy

StockMind5 by ICICI Bank
- Experienced Virtual Stock Market Trading with tokens instead of real cash on Bloomberg

CodeFunDo by Microsoft
(2015 & 2018)
- Developed a quiz game in 24 hours that can run universally across all desktop/mobiles
- Web App which helps to circulate info in an org. Used ML techniques for segregations

EXTRA CURRICULAR ACHIEVEMENTS

Music
Synthesizer Player
- Three years training. Played the instrument with a band named as Coral
- Played at Navratri in a team of **15** Musicians in front of crowd of **20,000+** Audience

Dramatics Society
IIT KGP
- Acted in **4** stage plays & **3** Street plays with lead role in two dramas & **1** street play
- Acted in play Charandas chor in **IIT Kanpur**'s Social Cultural Festival - Antragini (2015)

Sports
Martial Arts Player
- Secured **Orange belt** in Martial Arts from Martial Arts Masters World Federation, USA
- Played Cricket in Sports General Championship, IIT KGP & Table Tennis at School Level