

Himanshu Goyal

Analyst CITI | FullStack-Developer | Change It
ImHimanshoe.github.io/HimanshuGoyal

Email : goyalhimanshu414@gmail.com

DOB : 10/Aug/1996

Mobile : +91-8826-93-9156

EDUCATION

- **Indian Institute of Technology, Delhi** Delhi, India
Bachelor of Technology in Textile Technology; GPA: 3.20 (8.01/10.0) Aug,13 –July,17
Coursework : Data Structures & Algorithm, Machine Learning, Software Designing, Macro-Economics
- **Deep Learning Specialization** Online
CourseEra by Andrew NG; GPA: 3.80 (9.5/10.0) Oct'19- Jan'20
Coursework : Neural-Network & Deep-Learning, Hyper-Parameter Tuning & Regularization, CNN, Sequence Model
- **CFA Level-3 aspirant** Pune, India
Cleared Level-1 and Level-2 in first attempt Dec'18- Present
Coursework : Financial Reporting Analysis, Derivatives & Economics, Portfolio Management

WORK EXPERIENCE

- **Citigroup, Technical Analyst | Treasury & Trade Solutions, Commodities BU** Pune,[Aug,17 - Present]
 - **Recommendation Engine:** Designed & Developed an ML based Recommendation engine to automate the manual entry tasks by upto 75.% Leading **Tech4Ops initiative** to reduce the manual touch points in bank operations.
 - **Micro-Services Architecture revamp:** Lead a team of 4 developers for revamping a monolithic site to MicroService & MVC based architecture. Completed the Project in a period of 4-month utilizing extensive agile practises.
 - **SeaShell for Object-Storage:** Developed a S3 API based Object storage solution to reduce load on production boxes by archiving files as objects on to IBM's ObjectStorage.
 - Instigated **AWS cloud desktop** adoption by self-learning & guiding others on technical know-how of this new tech
 - **KYC using Blockchain:** Conducted feasibility analysis to leverage block chain to solve the KYC use case in Private Banking industry using other block chain platforms like (Prime chain, BigchainDB, Chain)
 - Received an overall **rating of 2* & 2*** for last appraisal cycle, awarded only to top 5% of the employee in CITI
 - Received **Citi Applause Award & Citi Silver Award** recognizing individual contributions for various initiatives
- **CitiGroup, Commodities (Analyst) | CRM tool Commodities** Pune, India (Aug,17 - Present)
 - **Realtime Trade Processor:** Developed a MVC Architecture based application for improving the system latency to make it realtime
 - Responsible for on-boarding all exposed rest APIs onto IBM API management tool for security and analytics.
 - **KYC using Blockchain:** Conducted feasibility analysis to leverage block chain to solve the KYC use case in Private Banking industry using other block chain platforms like (Prime chain, BigchainDB, Chain)

TECHNICAL PROFICENCY

- **Technology:** Python, Java, Angular, TypeScript, SQL, SpringBoot, Ionic, Android/Ios/Windows(PWA Based),
- **Tools:** Eclipse,MySQL, Git, Jupyter, TensorFlow, DataFrame, TeamCity, AWS, uDeploy
- **Theoretical:** Machine-Learning, Deep-Learning, Data-Structures, Financial-Market, Architecture designing

PROJECT AND INTERNSHIP

- **IIT Delhi B-tech Thesis | Automated Manual task of Textile Research using image processing**[Aug'16 - Dec'16]
 - Automated the process of marking microscopic fibre boundary in a yarn cross-section image via Computer Vision
 - Generated model was able to distinguish different kind of fibrea & clearly marked all boundary with an R value of .95
- **Internship, SmallDay Services | Developed Transliteration tool for Vernacular Languages** [May-Jul,16]
 - Developed a Tries based Decision-tree model which converted text from one given language to other trained languages
 - Received a **Pre-Placement-Offer & CEO level Award of appreciation** for incredible work & enthusiasm
- **Handwritten Digit Recognition | Open to all Kaggle competition** [Nov-Dec,16]
 - Implemented various ML algo like CNN, Random Forest etc. for recognizing the hand written number in an image
 - Stand at an all-time best ranking of 120 among thousands of participant world wide
- **Data Structures and Algorithms | Implemented algorithms to solve real world problems**

- Finding the cheapest & shortest series of path in a map for travel-cost optimization b/w two nodes using Dijkstra algo
- Employed Queuing Theory & Priority Queue for simulating in-store queuing model and optimizing the number of billing-counter in a store against predicted Average waiting time and probability of having to wait for service
- **MacroEconomics Paper** | Analysis of Direct Benefit Transfer Scheme in India, Co-Author, Int. Journal, IJETM
- **Android Apps and games** | Developed many productivity apps Nov,16
 - Developed a networked Multiplayer game with AI for computer player using peer to peer TCP for data transmission
 - Developed an app with its complete frontend and backend for complaint registration in a large community
 - Developed an app for providing course management feature to students teacher in an academic system like IITD

SCHOLASTIC ACHEIVEMENT

- **CFA Level-2 cleared:** Cleared both level in first attempt, aspirant for level 3, June 20
- **Deep-Learning Specialization:** Completed course-Era online deep learning specialization with hands on project

ENGAGEMENTS

- **Verboculary:** Developed a vocabulary building app, which allow user to learn words in order of their importance for given exam. Developed the word ranking algorithm by analysing a large database related to given exam resources
- **Engineering Excellence, Level-2 Award :** Awarded with engineering excellence level-2 award for showing skills related to agile development and following good coding practises
- **President, Social Innovation cell, IIT-D::** Developed products for solving social problems with innovation
 - Lead teams of tech volunteer from IIT-Delhi to successfully develop various products for social good like 2048 Games for Blind, Affordable Blood Donation bed, Food-Waste management by in-house Biogas plant etc.
 - Taught a batch of 30 underprivileged students regularly for competitive exams like IIT-JEE
- **Accessible India Campaign:** Redesigned NCERT text-book experiment for braille version of book by HR ministry
- **Microsoft code fun do:** 2-day long Hackathon for developing mobile apps, finished in Top 20 teams for android app
- **Event coordinator,Antarang-16, IITD::** Established and maintained budget for annual departmental fest.

SKILLS AND INTEREST

- **Skills:** CFA Level-2 cleared, Deep Learning specialization- course Era
- **Interests:** Gyming, Running, Adventure Sports, Swimming, App Development