Rhythm Sethi

sethirhythm7@gmail.com | f20191306@hyderabad.bits-pilani.ac.in

EDUCATION

BITS PILANI
M.Sc Economics
B.E. Computer Science Eng
2019-2024 | Hyderabad, India
Cum. GPA: 9.09 /10.00

M.S.S. PUBLIC SCHOOL
Kishangarh, India
CBSE class 10 GPA: 10/10

BRIGHT INDIA PUBLIC SCHOOL
Ajmer, India
CBSE class 12 : 86.8%

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Database Management Systems
Object Oriented Programming
Probability and Statistics
Logic in Computer Science
Symbolic Logic
Discrete Structure for Computer Science
Linear Algebra
Optimization
Derivatives and Risk Management
Fundamentals of Finance and Accounting
Econometrics
Applied Econometrics
Mathematical and Statistical Methods
Principles of Economics
Principles of Management

SKILLS

PROGRAMMING
Proficient:
C • C++ • Java • Python

Familiar:
R

FRAMEWORKS
Machine Learning:
Numpy • Pandas • Matplotlib

INTERESTS
• Machine Learning
• Android Development
• Web Development
• Derivatives and Risk Management

EXPERIENCE

PERSISTENT SYSTEMS, VERNA | Privacy Preserving Web Apps using Block-chain
May,2021 - July,2021 | Verna(Goa),India
- Exploring the use of ledgerless technology to see how it can help in the area of Self Sovereign identity.
- Created a Holder, Issuer and Verifier web-app to retain issue and verify credentials respectively using the Key Event Recipient Infrastructure library.
- Research on Multi-Tenancy and verifiable credentials using ACA-Py.

PROJECTS

XYZ PARKING SOLUTIONS | Car Parking Slot Booking Web Application
November 2021 | Java • Springboot • HTML • CSS
- A Car parking slot booking web application that enabled the users to book the parking slot beforehand while traveling to any crowded place
- Email Authentication, Google sign in, SMS OTP Authentication
- Integration of users payment with a functioning wallet that allowed users to make payments for parking and other service charges.

ANALYSIS OF UNDERLYING ASSETS, EQUITY FUTURES INSTRUMENTS OF GAIL Analyst research report
April 2021 | Python
- Wrote the underlying equity assets introduction on the basis of nature of the business,public or private ownership of the firm,history about the company, Industry Overall greatness of the company
- Calculated the sample risk adjusted and risk-unadjusted returns (Mean, Max, Min and Standard Deviation of the returns) on daily, weekly and monthly frequency on equity with their economic interpretation
- Compared the underlying risk adjusted and risk unadjusted returns with Futures instrument's risk adjusted and risk unadjusted returns
- Calculated the liquidity conditions of the underlying assets, futures instrument (near month, middle month and far month)

TIME SERIES, COMPARATIVE, AND INDUSTRY ANALYSIS OF HINDUSTAN COMPUTERS LIMITED AND MINDTREE LIMITED Analyst research report
April 2020
- Financial Ratio Analysis for 2015-2020 for both the companies.
- Profitability Ratios, Asset Management/Activity Ratio, Leverage Management Ratios, Liquidity Ratios etc.
- Comparative Analysis of both the companies financial ratios to compare the performance of both the companies

EXTRACURRICULAR

ECONOMICS ASSOCIATION | Active Member of Core Committee of Economics Association

CRICKET | Played at district level for M.S.S. Public School

SKATING | Secured rank 3 at district level