



# Akhil Ajith

## Quant Developer

I'm a Quant Developer and a self taught full stack developer with proficiency in more than one programming language and willing to learn anything related to tech and finance.



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codarakhi.github.io/portfolio/



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github.com/coderakhi



## WORK EXPERIENCE

### Quant Developer Linedata

08/2022 - Present

Mumbai

#### Achievements/Tasks

- Developed analytical libraries and tools leveraging both open source and proprietary numerical software packages using Python, SQL
- Partner with investment professionals and quantitative researchers to define priorities, deliver custom software solutions, and improve the investment process
- Receive structured learning on technical and quantitative skills
- Integrate with cloud infrastructure providers to tackle storage and compute challenges across large datasets and parallel computations

### Private Equity Investment Analyst Gallagher and Mohan

07/2020 - 03/2021

India

Gallagher and Mohan is a real estate focussed private equity company based in New Delhi, India and Headquartered in Washington DC

#### Achievements/Tasks

- Performed due diligence on potential investments, including company, industry and market research as well as instrument-specific discounted cash flow and comparable models to determine acquisition price.
- Built dynamic financial models and Valuation models.
- Researched industry articles and financial statements helping quantitative analysis of potential deals.
- Calculated gross/net IRR, NPV, DCF, investment leverage ratios, water flow calculations and investment multiples.
- Underwriting of Real estate Deals.

### Finance Executive Additional Skill and Acquisition Program (Govt of Kerala)

04/2017 - 04/2018

India

#### Achievements/Tasks

- Assist in the yearly budget exercise and provide variance analysis if necessary.
- Ensure the Finance teams processes are as efficient as possible.
- Assist in account reconciliation.



## SKILLS

HTML, CSS ,JavaScript, React, Bootstrap.

Python, Django, Postgres SQL, AWS Redshift, Git

MS Excel

Ability to work independently and collaboratively.

Strong quantitative skills and established analytical ability



## ACHIEVEMENTS

### National Cadet Corps (NCC)

National Cadet Corps (NCC) is the youth wing of the Indian Armed Forces with its headquarters in New Delhi, India. Achieved B grade with rank officer in Indian Army Wing in their examination which is equivalent to distinction



## CERTIFICATES

### Financial Modelling and Valuation Analyst

The Wall Street School

### PCEP – Certified Entry-Level Python Programmer certification

Python Institute

### Series XV- Equity Research Analyst National Institute of Securities Market (NISM)

### Power of Macroeconomics and its impact on real world

University of California- Irwin

### CFA Level 1 (01/2022 - Present) CFAI

### The Complete Web Developer Bootcamp (02/2022 - Present)



## WORK EXPERIENCE

### Audit Executive

GSPU

01/2016 - 07/2017

India

GSPU is Indian based Chartered Accountancy firm having registered firm across India and Middle East.

#### Achievements/Tasks

- Performed detail work of audits, reviews, some compilations, and other assurance service for clients.
- Managed and been a member of a world bank aided project (JalaNidhi), during January 2016 to June 2016 and several NPOs.



## PERSONAL PROJECTS

### Telegram Bot (Automatically extracting NSE data and Option Chain data)

- Built a python script which automatically picks all the NSE EOD, pre market and option chain data (Max Call OI and Max put OI , Put call ratio etc..) using APIs and automatically sends it to a telegram channel at a scheduled time.

### Trading Back-testing Framework using Python

- Built a back testing framework using python for equity asset class to back test any trading strategies and automatically generate trade book , ledger book and order book with all m2m calculations, charges, net profit , equity curve. Currently working on Derivative (Futures and Options) asset class.

### Websites and other projects

- Built few websites and small Python and JavaScript projects



## EDUCATION

### M.sc Finance

University of Hertfordshire

08/2018 - 09/2019

United Kingdom, Distinction

#### Courses

- Python, SQL, E-views, Financial Statement Analysis, Econometrics, Statistics, Asset pricing, Derivatives, Fixed Income, Advanced Valuation, Fintech, Option pricing.
- Thesis- Microeconomic impact on Equity returns in Indian stock market. Used a panel data regression and fixed and random effect model to analyse the the significance of the impact on equity returns.



## CERTIFICATES

Quantitative Trading Program  
(Quantify Capital)

Responsive web Design (Free code camp)

JavaScript Data Structures and Algorithms (Free code camp)



## LANGUAGES

English

Full Professional Proficiency

Malayalam

Native or Bilingual Proficiency

Hindi

Professional Working Proficiency



## INTERESTS

Reading

Software Engineering

Yoga and Meditation

Web Development

Solving Coding Challenges