

GOPALAKRISHNAN KUMAR

Flat no 401, Anu Smera Skylight ,Shankar Jyoti CHS

10th Road Chembur, Mumbai-400071

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CAREER OBJECTIVE.

A certified Data Analyst with over 7 years of experience in Data Science, skilled in Python, R, and SQL. Proficient in data visualization, including Tableau, Power BI dashboards, AI tools, LLM Chat GPT and advanced Excel. Seeking challenging roles on a contract or remote basis to leverage analytical skills and statistical expertise for companies or startups.

SKILLS

- Strong expertise in Machine Learning & AI (Supervised & Unsupervised Learning).
- Proficiency in Python, Python Libraries,, Tensor Flow, SQL, and Jupyter Notebooks.
- Deep understanding of time-series modeling, anomaly detection, and risk analytics.
- Experience with big data processing and financial data pipelines.
- Ability to deploy scalable ML models in a cloud environment.
- R Programming, Java Script
- Machine Learning Algorithms, Artificial Intelligence, Deep Learning
- Data Mining, Predictive, Descriptive Analytics, Analytics Solution and Data Integration
- Data Processing using Google Cloud computing platform such as Google Cloud, Google Colab and AWS
- MySQL, MySQL Lite 3, MySQL Workbench
- Tableau, Power BI, MATLAB SCILAB
- Data Visualization, Image Processing
- Advanced Excel using Chat GPT,
- Use of Advanced AI LLM tools, Retrieval Augmented Generator(RAG),Deep Seek AI , xAI Grok 3 AI.
- Generating prompts using **gemini.ai** to create AI generated images
- Creating Social Media Management (Creating Reels) with Canva and Avatars by **Neiro AI**
- Adding and imparting speech to avatars by using **Eleven Labs** (Voiceover app)
- Searching for contact details for sending cold email using **Apollo.i**

WORK EXPERIENCE

Nov 2024 till Date -Consultant Data Scientist with Outlier .ai on a contractual basis.

Freelance Data Science Consultant with GLV Data Solutions Consultancy since Nov 2024

Registered with online job portals like Upwork , Panagea X for Data Science jobs on a contractual basis.

Also Undergoing internship training program in **Advanced AI tool LLM** from Ana;ytics Vidhya

Past experience:

1.GLV Data Solutions Consultancy , Mumbai From Oct 2023 till Oct 2024

Roles and Responsibilities: Consultant Data Scientist

- Analysis of Data in Advanced MS Excel, MySQL using Generative AI tool CHATGPT
- Working on Data Science projects using AI and ML techniques.
- Exploratory Data Analysis (Data Cleaning, Data Mining, Data Extraction and Data Preprocessing)
- Data visualization using Power BI, Tableau, including various Graphs like Box Plot, Scatter Plot Volcano Plot, Violin Plotline Graphs, Pie Chart, Python, Google Colab MATLAB
- Image Processing using MATLAB, Python
- Develop and Enhance algorithms and models to solve business problems

Project Work

Application of programming skills such as Python Packages R and machine learning algorithms (ML) Tableau Dash Board. Power BI Dash Board ,Data Visualization techniques to the following projects

1. Sales, Inventory and Retailer Analysis-Tableau Dashboard
2. Report on 'Nutrition, Physical Activity, and Obesity - Behavioral Risk Factor Surveillance-ML.
3. Report on Healthcare Survey pertaining to Medical Analysis - ML
4. Report on Covid 19 Data Set Analysis – Power BI Dash Board
5. Report on CT scan Medical Image Data Set Analysis
6. Report on Teeth Segmentation using Python , Data Visualisation
7. Report on Stock and Mutual Fund Analysis–Prediction using Regression ARIMA model ,Random Forest algorithms
8. Translation of scripts using Python and Deep learning tools

2. Hansa Cequity Pvt Ltd-From March 2022-July 2022

Roles and Responsibilities: Consultant Data Scientist

Job Profile:

Regression Techniques to Perform Analysis of Mutual Fund Market Research, Mutual fund Investment, Market Mixed Modelling, Customer Segmentation and Profiling, Customer 360 view, Customer Loyalty Index, Agent Rehiring Model Technology Stack and Algorithms used: Python Libraries used: Numpy, Scikit-learn, pandas, matplotlib, keras, tensor flow, R, My SQL, My SQL Lite

Technology Stack and Algorithms used:

Python Libraries used : Numpy, Scikit-learn, pandas, matplotlib, keras, tensor flow,
R , MySQL, MySQL Lite 3, My SQL Work Bench

3.RGN Price & Co- Chartered Accountants, Mumbai – From Dec 21 till Feb 22

Roles and Responsibilities: Data Analyst–Processing of Commercial Data using MS Excel MS, Access

4.SMAC Consultancy, Mumbai (Jan 2020 to May 2020)

Roles and Responsibilities: Data Analyst

Worked on Project related to Commercial Data Analysis and Management studies

Worked on Hypothesis Testing, p-value analysis, Chi. Square Testing, Auto Report for Data Analysis

5.Hydrogreen Agribusiness & Land Cultivators LLP,Mumbai (Apr 2019 - Dec 2019)

Roles and Responsibilities - Data Analyst

Detection of Plant health using hyperspectral image processing, and analysis techniques

Technology Stack and Algorithms used: MATLAB, Data Visualization, Python, R

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DATA SCIENCE PROJECTS COMPLETED DURING INTERNSHIP and TRAINING WITH INNODATATICS Inc May 2020 to Dec 2021

Application of programming skills such as Python Packages R and machine learning algorithms, Data Visualization Graphs such as Box Plot, Scatter Plot Volcano Plot, Violin Plot, Line Graphs, Pie Chart to the following projects

- Risk factors influencing Diabetes Type - Classification Model
- Data Exploration and Forecasting on Patient Count - Regression ARIMA Model
- Infant Mortality Rate Analysis – Regression Model
- Mortality Risk Analysis – Feature Selection
- Survival Analysis of Unemployment Rate - Classification Model

DATA SCIENCE PROJECTS COMPLETED DURING TRAINING AND CERTIFICATION WITH INTELLIPAAT, BENGALURU From Jan 2021-Sept 2021

Applying programming skills such as Python Packages Python pipelines, R and machine learning algorithms, Artificial Intelligence, Tableau to the following projects

- Loan Eligibility Prediction – Classification Model -Domain: Banking
- Census Income Dataset (using R) -Domain: General
- Covid-19 mortality rates –Domain: Health Care
- Sales. Inventory and Retailer Analysis
- Analysis of the public review of the products on Social Media-Domain: E-commerce with the use of API
- Taxi App-Analysis of trips, revenue generation

DATA SCIENCE PROJECTS COMPLETED DURING TRAINING & CERTIFICATION WITH IIT-Kanpur from Oct 2022-Sep 2023.

Machine Learning Projects- Python

- Consumer Services- Consumer Complaints Resolutions
- BFSI Marketing- Understanding Customer Preferences in Insurance Sector
- Pharma Public Safety- Counterfeit Medicines- Prediction of Sales
- Manufacturing- Predict Hazard Ratings for a Maintenance Project
- Real Estate-Flag Junk Property Listings
- Health Care- To Predict No-shows given the appointment details

Artificial Intelligence Projects:

- Multiclass Multilabel prediction For stack overflow- Given text for Questions , predict tags associated
- Music Genre Identification- Given audio files for songs , identify which genre they fall in
- Spam filter for Quora questions
- Distracted Driver Multi Action Classification Page-Classification of the various distractions of a driver
- Image Captioning Page- Uploading photos and pixel analysis

Training program on “How to start a business using AI tools conducted Skill Arbitrage - National Skill Development Corpn (NSDC)from Jan 24-Dec 24

INTERNSHIPS

- Innodatatics Inc. Hyderabad –WFH -Junior Data Analyst- May 2020- Dec 2021
- Cytel Statistical Software Services Pvt Ltd-Project Intern-Cliical SAS –June 2018-Mar 2019
- Central Drug Research Institute- WFH – Lucknow –Bioinformatics Intern- Feb 2017-Mar 2018
- Arraygen Technologies. Pune – Bioinformatics Intern- May 2016-Sep 2016

TEACHING EXPERIENCE -Kotak Education Foundation, Mumbai: Honorary visiting Faculty ((Aug 15 - Oct16)- Teaching of Engineering Mathematics to aspiring engineering students

ACADEMIC QUALIFICATIONS

- **M.Tech** in Chemical Engineering with Specialization in Systems Biology, **IIT-Bombay** (2011) **CPI-8.59**
- **B.Tech** in Oils, Surfactants & Oleochemicals, **MUICT**, Mumbai(Formerly UDCT) (2008) First **class 61.20%**
- **HSC-12th** Standard SIES College of Science,Mumbai -Maharashtra Board –Pune Percentage :**85.17 %**
- **SSC -10th** OLPS High School,Mumbai Standard Maharashtra Board –Pune Percentage :**86.40 %**

LICENCES And CERTIFICATIONS

- Presently pursuing Gen AI Pinnacle program -**Advanced LLM** from **Analytics Vidhya**
- Completed **Goldman Sachs Operations Job Simulation on Forage** - January 2025
- Completed **HSBC Commercial Banking Job Simulation on Forage** - January 2025
- Completed **PGIM Fixed Income Job Simulation on Forage** - January 2025
- Completed **Citi Personal Banking Job Simulation on Forage** - January 2025
- Completed **HSBC Wealth and Personal Banking Job Simulation on Forage** - January 2025
- Completed **Citi Markets Sales & Trading Job Simulation on Forage** - January 2025
- Completed **Tata Cybersecurity Security Analyst Job Simulation on Forage** - January 2025
- Completed the Training Program on **AI for Business Growth** conducted by Skill India- NSDC- Skill Arbitrage securing A+ grade
- Completed the **Google Data Analytics Course** –March 2024
- **Advanced Certification in AI & Machine Learning**, - E& ICT Academy, IIT Kanpur (Oct 22-Spt 23)
- **Data Science Master's Architect Program**, IBM Certified, Intellipaat (Jan 2021 - May 2021)
- AI Tools Mastery Program and **Effective Prompt writing in Chat GPT** conducted by be10X-Oct 23
- Certified **Deep Learning** Expert issued by Edvancer Eduventures in OCT 2023
- Certificate of Excellence in **Data Analysis using SQL** in Sept 2023 issued by Edvancer Eduventures.
- Certified **Tableau Professional** in July 2023 issued by Edvancer Eduventures
- **Natural Language Processing** with Python – Udemy Academy-Nov 2020-Dec 2020
- Data Science course in Life Science & Health Care analytics- 360DigitMg- July 2020-Sep2020
- Software Construction in Java – MIT edX- Sep 2016- Dec 2016
- Advanced Bioinformatics – Microarrays & NGS – Arraygen Technologies- 2016
- Object Oriented Programming - C++ NIIT Apr 2016-Sep 2016

AWARDS AND RECOGNITION

- Winner of Multiple awards (10 Bronze medals)and recognition for participating in Kaggle Competitions.
- Secured the Profile Competitions- Notebook Expert by Kaggle
- Semifinalist at TechGig Coding Competition 2021
- Secured INRIA International Internship Award, INRIA, Paris, France- MTech 2011-2012
- Secured 305/340 in GRE in 2011
- Secured All India Rank 41 (**AIR 41**) in **GATE Exam** in 2009

PUBLICATION

1. **PLOS One Journal**: Noise Propagation in Two-Step Series MAPK Cascade Link:
<https://doi.org/10.1371/journal.pone.0035958>
 2. <https://blog.ipleaders.in/artificial-intelligence-ai-for-food-safety/>
 3. <https://blog.ipleaders.in/how-data-science-can-help-in-fraud-detection-an-overview/>
3. Article "Power of OpenAI Chat Gpt" in Awakening Magazine

PERSONAL PROFILE

- Date of Birth: 29th July 1986
- Languages: English, Hindi, Tamil ,Marathi.
- Linkedin : <https://www.linkedin.com/in/gopalakrishnankumar-a73301110/>
- Github:<https://www.github.com/Gopalakrishnan-Kumar/>

I hereby declare that the information given is true to the best of my knowledge and belief.

Place: Mubai

