

CHACKO BABU

Data Scientist with Experience in Corporate, Academic, NGO, and Freelance Projects | Expertise in Data Sourcing, Processing, Statistical Analysis, and Results Communication

✉ chackobabun@gmail.com

🌐 chackobabu.github.io

📍 #723, 1st A Cross Rd. Vijaya Bank Layout, Bengaluru, Karnataka

📞 +918086249788

PROFESSIONAL EXPERIENCE

EUROMONITOR INTERNATIONAL 📍 Bengaluru, Karnataka

Data Analyst

📅 Feb 2024 - present

- Designed and implemented web-application to extract data from an internal database and user-friendly programs to enable seamless editing of the same, all through API calls. The process enhances data management efficiency and user experience within the organisation.
- Developed scripts to scrape webpages and parse information from PDFs.
- Designed and executed statistical models to forecast market sizes and project market share growth.
- Utilized SQL commands to extract data from BigQuery and MySQL tables.
- Leveraged the Linux CLI to administer tasks and operations on a virtual machine hosted within the Azure cloud environment.

Research Associate

📅 Apr 2022 - Jan 2024

- Designed and implemented a system to automate the creation of Excel files, generating market-specific files at the onset of research and consolidating them afterward into a master file for analysis purposes.
- Performed thorough desk researches for in-depth market analysis.
- Crafted dynamic Tableau dashboards to visually illustrate evolving industry trends.

MIZUHO INDIA JAPAN STUDY CENTER, IIM-BANGALORE 📍 Bengaluru, Karnataka

Research Associate

📅 Nov 2021 - Mar 2022

- Analysed data from factories' production floors for metrics such as line-efficiency, synchronization ratio etc, to identify areas for improvement.

DEPT. OF ECONOMICS AND SOCIAL SCIENCES, IIM-BANGALORE 📍 Bengaluru, Karnataka

Academic Associate

📅 Aug 2018 - Jul 2021

- Extracted data from various public sources to build models and test various hypotheses in fields of international trade, migration, behavioural economics, financial economics etc using statistical and econometric methods.
- Worked as a Teaching Assistant; major courses handled were Advanced Microeconomics, Advanced Macroeconomics, Financial Economics.

CENTRE FOR DEVELOPMENT STUDIES 📍 Thiruvananthapuram, Kerala

Research Assistant

📅 Jul 2017 - Mar 2018

- Worked with multiple rounds of large-scale datasets of National Sample Survey for a study titled Intergenerational Occupational Mobility in India, along with other datasets such as KLEMS by RBI for various research projects.

FREELANCE PROJECTS / CONSULTING ENGAGEMENTS

INDIA MIGRATION NOW 📍 Remote

Data Analyst (Freelance)

📅 Sep - Dec 2021

- Analyzed data on the NGO's daily operations and regularly updated a Tableau dashboard to visualize trends, enabling data-driven decision-making.
- Proactively addressed ad-hoc requests for data-wrangling and visualisations for reports and newsletters.

NSRCEL, IIM-BANGALORE 📍 Bangalore, Karnataka

Data Science Project

📅 Aug - Sep 2021

- Analysed results of a primary survey on women entrepreneurs (participants of Goldman Sachs 10k Women program) for challenges they face in their entrepreneurship journey. The results of the analysis were communicated with actionable insights using visualisations and tables to stakeholders.

SKILLS

Programming Languages:

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Python R SQL

Data Analysis:

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pandas NumPy
statsmodels.api

Machine Learning:

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scikit-learn OpenCV
Pytesseract

Data Visualisation:

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Tableau Matplotlib Seaborn
Plotly Dash

Web Development:

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Flask Flask-SocketIO HTML
CSS jQuery

Software and Tools:

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Excel Git LaTeX Stata
PowerShell Bash

EDUCATION

PG Diploma in Business Analytics

📅 2023 - ongoing
BITs Pilani - WILP

MA Economics

📅 2013-2015
Madras Christian College, Chennai

BA Economics, History and Political Science (triple major)

📅 2010-2013
St Josephs University, Bengaluru

AWARDS

National Eligibility for Lectureship in Economics

📅 Nov 2017
University Grants Commission of India

LANGUAGES

Malayalam

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English

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Hindi

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INTERESTS

I enjoy sketching, painting, reading novels, watching movies, studying history and politics, and cycling, among other hobbies.