Amay Vivek Narayan

CONTACT

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WORK EXPERIENCE

DBS Bank India Limited   Sep 2021 — Apr 2023

Risk Specialist/Associate (Mumbai, IN)

Risk Management Group: Part of the Risk, MIS, and Data Analytics team

- Created **statistical/econometric models in Python and R** including univariate/multivariate regression and machine learning (ML) models
- Worked extensively on **forecasting methods using Python** for spot Gold prices
- Automated **data processes and database creation/management** (including for large datasets (>1m observations)
- Managed portfolio risk - portfolio analytics (including **stress tests and risk segmentation analysis**)
- Wrote **professional-grade reports**, contributing to key presentations
- Formulated **systems for documentation** and streamlining of information/processes within the team

University of Minnesota   Jan 2019 — Jul 2019

Economic Consultant (Bangalore, IN)

Financial flows in Indian Real Estate: Empirical research report for a prestigious National Science Foundation project

- Conducted **financial statement analysis** (Balance Sheets, Profit and Loss, Cash Flows) on top real estate firms
- Studied the shifting nature of **real estate financing and fund flows**, as well as market impacts of regulatory developments such as the Real Estate (Regulation and Development) Act, 2016
- Wrote a **real estate industry report** used for a published paper in the #1 urban studies peer-reviewed journal

Azim Premji Foundation   Oct 2016 — Dec 2018

Research Fellow (Bangalore, IN)

Part of the Azim Premji University research centre within Azim Premji Foundation (APF). **The APF Endowment Team manages an USD $35 Billion endowment**

- Assisted with data analysis and collaborated on research with the core endowment team for 2+ years
- Conducted macroeconomic analysis of Fixed Income markets: Co-authoring a short Primer on Indian Money Markets– book elicited interest from a reputed publisher. Analysis on liquidity, depth, and efficiency of Indian fixed income markets
- Processed and created a 60-year dataset on **sectoral Flow of Funds** in India: used for in-depth analysis of inter-sectoral capital flows and macro balance sheets – lead author for peer-reviewed journal paper
- Conducted **empirical research and background papers** for State of working India report (2018) [LINK]
- Co-wrote three papers on Indian Macroeconomic topics – finance, employment, labour – published in top international and Indian economic journals
- Played a **leading role in a high-level team** that worked on a National-level Indian government policy document
- Taught students use of **STATA statistical package and LaTeX** typesetting language

EDUCATION

PGP in Management (MBA)   Apr 2020 — Aug 2021
Indian School of Business (India)

Completed courses on Financial Accounting, Financial Statement Analysis, Data Analytics in R, Transaction Analysis

M.A. Economics   Sep 2014 — Sep 2016
Simon Fraser University (Canada)

- 9 months empirical research and thesis on monetary policy and inflation expectations
- Teaching Assistant conducting classes in Macroeconomics
- Completed advanced courses on theoretical/applied Econometrics, Macroeconomics, Sustainability & Modeling

B.Sc. Economics   Sep 2011 — Jul 2014
University of East Anglia (UK)

- Top 5% of cohort - First Class Honours
- Awarded UEA Annual Scholarship for 3 Years
- University Student Ambassador for India
- Prestigious summer placement (1 of 3 students) for the Department for Work & Pensions, London

CORE SKILLS

- Strong applied data analytical skills using statistical tools such as R, Python, SQL, Stata
- Demonstrated abilities in forecasting methodologies using statistical inference and machine learning models
- In-depth understanding of applied macroeconomic analysis
- Highly organised, enthusiastic, and collegial work ethic
- Extremely proficient with MS Office, LaTeX typesetting language
- Established track record in writing professional reports and documents

CERTIFICATES

Online Certified Courses Completed:

Feb 2023 (Coursera): Supervised Machine Learning: Regression and Classification

Mar 2021 (Udemy): R Programming A-Z: R For Data Science

May 2020 (Coursera): Excel Skills for Business: Intermediate II

Apr 2020 (Coursera): Excel Skills for Business: Intermediate I

May 2018 (Coursera): Python Programming Essential

INTERESTS

- Summer volunteer for 5 years at the Gurukula Botanical Sanctuary, a premier plant conservation garden
- Completed multiple treks across the Himalayan range, including a 130-kilometre trek to Milam Glacier
- Apprenticed with renowned ecologist and ornithologist Jugal Tiwari at the Centre for Desert and Ocean, Gujarat, India. Studied/documented Indian bird species for >10 years – longstanding interest in Ornithology
- Trained in identifying and capture-and-rescue techniques for all South Indian snake species
- Keen interest in photography for over 10 years – brief portfolio available here [LINK]
- Certified scuba-diver by the Professional Association of Diving Instructors (PADI)