
PROFILE

- **3+ years** of full-time work experience in the Banking industry (**Westpac, ICICI Bank and J.P. Morgan**)
- **Master of Information Technology** (majors: Data Science, AI) graduate at UNSW with Award of Excellence
- Strong background in **operational** and **risk analytics** across multiple banking teams
- **Predictive modelling** and **machine learning** exposure with credit risk division at ICICI Bank, India
- Programmed and developed new tradable assets for the Global Markets Group at **J.P. Morgan**

EDUCATION

- Master of Information Technology (majors: Artificial Intelligence, Data Science)** Jul 2018 – Sep 2020
University of New South Wales, Sydney, Australia; **WAM 84/100**
- Awarded Master of Information Technology with Excellence Sep 2020
 - Awarded UNSW Future of Change Scholarship for the postgraduate program in IT Jul 2018
- Master of Science (Economics) and Bachelor of Engineering (Mechanical)** Aug 2011 – May 2016
BITS Pilani, Pilani, India; **WAM 8.97/10**
- Awarded 2nd prize for the project 'Collaborative consumption' in the technical fest Apogee Mar 2015

PROFESSIONAL EXPERIENCE

- Software Engineer** Nov 2020 – Present
Westpac, Sydney, Australia (via Infosys)
- Integrated Adobe Analytics with the Customer Service Hub Home loan origination program as part of a "Digital Delivery" project focused on enabling pre-approval of loan applications through mobile and online channels, for Anonymous To Bank (ATB) customers
 - Improved rendering time of different screens in the Home Loan Application by using React fragments and functional components, reducing the average load time by 16%
- Data Scientist (Part time)** May 2020 – Nov 2020
KyperX, Sydney, Australia
- Developed and implemented data harvesting pipeline for 3000+ courses from major Australian universities
 - Implemented and monitored the operational strategy for *Platute* (on-demand education platform, a KyperX product) which resulted in an increase in customer base by 20%
- Analyst** Jul 2016 – May 2018
ICICI, Business Intelligence Unit, Hyderabad, India
- Engaged with various stakeholders to provide analytical solutions and insights to complex problems; Delivered key projects in analytics, big data and machine learning using SQL, Python and Tableau:
 - **Monitoring for Frauds:** Identified accounts of family members of a certain set of customers on the basis of address match using Jaccard distance, which reduced the number of fraud cases by 15%
 - **Automatic Text Classification:** Classified employees into 4 categories to obtain behavioural characteristic trends and sentiments through sentiment analysis, increasing retention rate by 5%
 - **Credit and Market Risk:** Developed pooling logic for retail asset portfolios with respect to two different dimensions of risk: Likelihood of default (Probability of Default i.e. PD) and Expected recovery (Loss Given Default i.e. LGD); Assessed factor sensitivity of portfolios using measures like modified duration
 - Promoted in 1 year from 'Management trainee' to 'Manager-I' for exemplary performance Jul 2017
 - Awarded for the project 'IFRS9 Expected Credit Loss Estimation' in the category 'Intelligence' Oct 2017
- Analyst** Jan 2016 – Jun 2016
J.P. Morgan Services, Global Markets Group, Mumbai, India
- Automated a performance tracker to analyse global markets for different trading instruments and their percentage share of profits, saving 16 man-hours per week
 - Developed trading strategies for exotic options and derivatives on python-based platform "Athena"
 - Created impactful visualizations of internal equities data based on price and volatility analysis

ADDITIONAL EXPERIENCE

Teaching Assistant (Part time) **Feb 2019 – Nov 2020**

University of New South Wales, Sydney, Australia

Courses: Python, Data Structures, Database Systems, IT Project, Computer Networks

- Advanced Python instructor for four consecutive semesters for Masters' students
- Tutored and administered multiple advanced programming subjects to 400+ students across 7 courses at UNSW; Tasks included holding classroom tutoring sessions, overseeing lab work, creating assignments, developing examination questions and handling student question forums

MITACS Globalink Intern

May 2015 – Aug 2015

University of New Brunswick, Fredericton, Canada

- Worked under Dr. Victoria Chester on 'Kinematic multi-segment foot models' for gait analysis
- Cultural exchange program to get international exposure and work with students from nine other countries

EXTRACURRICULAR ACTIVITIES

Arc Delegate, UNSW Data Science Society **Apr 2019 – Aug 2020**

- Contributed to several programs and hackathons conducted for society members at the post graduate level
- Was responsible for the growth of the society and designed outreach programs to actively recruit new students

Team Leader, UNSW Hero Program

Dec 2018 – Feb 2019

- Pitched an innovative development project as part of the Heroes program
- Ranked among top 5 selected to present in the UNSW Service Improvement Conference out of 36 teams

Schooling Operations Head, National Service Scheme

Aug 2014 – Mar 2018

- Spear-headed operations at NSS Night School and inculcated community development approach

CERTIFICATIONS AND CONFERENCES

Tableau certification by LinkedIn Learning **Aug 2020**

- A certification on best practices for using Tableau in industry using most modern features (like Viz Animations) conducted by Curt Frye

Machine Learning training by Math Logic

Apr 2017

- Focused on machine learning and deep learning models that can lead to 10%-30% performance improvement over traditional modelling paradigms in a variety of use cases

Harvard US-India Initiative Conference

Jan 2017

- Addressed some of India's most pressing social, economic and environmental issues in a student run organization that aims to create a dialogue between Indian and American youth

Chartered Financial Analyst, Level-1

Dec 2016

- Professional designation received from the CFA institute, formerly AIMR that measures the competence and integrity of financial analysts

SKILLS

Technical Skills

- *Data management & visualization:* SQL, SAS, R, Tableau, Power BI
- *Programming:* Python, C, Scala, VBA, HTML, CSS, JavaScript, Prolog
- *Frameworks:* Hadoop, Spark, React.js, Node.js, Git (Version Control System)
- *Office tools:* Microsoft Office (Word, Excel, PowerPoint), MS Teams, Slack, Zoom, BB Collaborate

Interpersonal Skills

- Communication, Teamwork, Leadership, Stakeholder Management

REFEREES

Dr. Michael Thielscher
Professor, UNSW

Anirudh Vanimesetty
Senior Consultant, ex-ICICI

Abhinav Krishna
Associate, J.P. Morgan