

MATHEW ABRAHAM

SHEFFIELD, UK | PH: +44 07833809671 | mathewpabraham13@gmail.com

EDUCATION

THE UNIVERSITY OF SHEFFIELD

MSc Data Science

Sheffield, UK

Sept 2022 - August 2023

Relevant Coursework: Data Analysis, Data Visualisation; Big Data Analytics; Data Mining, Database Design

GOVT. MODEL ENGINEERING COLLEGE

B.Tech, Electronics and Communication Engineering

CGPA: 6.9/10

Kerala, India

Jul 2014 – April 2018

SKILLS

▪ Python ▪ R ▪ SQL ▪ Spark ▪ AWS ▪ Databricks ▪ CLI ▪ SPSS ▪ JavaScript ▪ HTML ▪ Git Hub / Version Controlling
▪ Machine Learning ▪ Data Analysis ▪ Data Visualisation ▪ NLP ▪ Unit testing ▪ Excel ▪ TeamCity ▪ JIRA ▪ PyTorch

WORK EXPERIENCE

ASPIRE SYSTEMS (Formerly known as RapidValue Solutions)

Senior Software Engineer

Kerala, India

May 2018 – Jul 2022

- I had the opportunity to be part of an agile team in a startup organization, working for a fin-tech client, based in the state of Texas where I was responsible for developing and maintaining their Loan Origination System (LOS) which included integrating several fin-tech APIs from providers such as Jack Henry, RiskTheory and Experian.
- I actively participated in the development and authorship of migration scripts and stored procedures as part of my responsibilities.
- During my tenure, I acquired practical knowledge and experience working with Amazon Web Services (AWS), specifically utilizing services such as SQS, Lambda, S3, EC2, and DynamoDB.
- I was also actively involved in the development of automation, integration, and unit test cases that were utilized to thoroughly test various features of the application.
- Furthermore, I actively participated as a member of the support team, where my primary responsibilities involved addressing and resolving system bugs. This entailed extensive debugging of the code for reported issues and engaging in regular client interactions to ensure prompt bug resolution on a day-to-day basis.
- I adhered to agile development methodologies throughout the project, actively engaging in daily client meetings. Additionally, I participated in grooming and pointing stories in advance, ensuring a clear understanding of our project requirements. Furthermore, I took responsibility for conducting demos for clients, effectively showcasing the progress and outcomes of our development efforts
- As an intern in the organisation, I developed a tool using a JQuery calendar plugin to monitor all project deadlines and commitments. After receiving positive feedback from the CTO, this was later integrated into the employee portal of the organisation (RapidValue).

PROJECTS

DISSERTATION – INVESTIGATING THE RISE, DISCUSSIONS AND MANIPULATION OF SOCIO-POLITICAL TRENDS ON X (Twitter) IN INDIA

May 2023 - Aug 2023

I conducted an in-depth research study analysing a prominent online campaign in India, where I investigated the discourse on social platform X for manipulation. I leveraged advanced Natural Language Processing (NLP) models using Python to translate multi-lingual posts, evaluate sentiments and detect nuanced stances within these complex online discussions. I implemented a novel metric based on relevant research papers to identify manipulation in these digital narratives. I also skillfully created data visualisations that included word clouds and time series graphs that enabled extracting valuable insights from the discourse. This multi-faceted research approach contributed to the understanding of the evolving role of social media in shaping public perceptions and provided a foundation for addressing challenges arising from digital manipulation.

PEER RESEARCH INTERN, UNIVERSITY OF SHEFFIELD

April 2023

I represented the Information school and conducted a study aimed at optimizing the use of career services amongst the students of the department to elevate their employability prospects. I initiated the project by meticulously formulating surveys that were tailored to the needs of the diverse students in the department which were then handed out to these students. I leveraged my analytical skills to process and extract meaningful insights from the accumulated data which I did via SPSS. I then compiled a comprehensive report detailing my findings and presented a clear and evidence-based roadmap for enhancing the effectiveness of our university's career services. This experience underscored my proficiency in research, data analysis, and my ability to translate data-driven insights into actionable strategies, all of which are pivotal in my journey as a data scientist.

AWARDS

- I was part of the team that was awarded the ‘Crowning Crew’ award twice for my contributions towards achieving a high level of customer satisfaction (CSAT) score and maintaining exceptional quality standards.
- I received a ‘Spot Award’ for demonstrating exceptional ownership and completing an integration within a tight timeframe. This accomplishment involved conducting a successful client demo, which further reinforced the quality of work delivered.
- I was recognized with a ‘Spot Award’ for successfully adapting to a new team and effectively meeting client expectations within a short timeframe. This achievement showcases my flexibility and resilience as a team member, as well as my ability to deliver quality work under pressure.

ACTIVITIES AND ADDITIONAL INFORMATION

STUDENT COUNCILLOR, INFORMATION SCHOOL

I acted as the representative for the Information School within the Student Council of the University of Sheffield. My responsibilities included actively engaging in discussions surrounding new policies and contributing to the successful implementation of policies for the benefit of the student union.

VOLUNTEER – THE PROMISED LAND

I spent some of my free time volunteering at the ‘Promised Land’ a community based in Sheffield where I help them manage their land plots.

Languages: Fluent in English, Malayalam, and Hindi

Certifications: Machine Learning, Stanford Online

Hobbies: Hiking, Reading, Writing, Kayaking, Football, Cricket, and Table Tennis.

References – Available on request.