Shruti Sharma

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PROFILE

Being passionate enough for analytics, technological frameworks and tools for businesses, as a full stack software engineer, I've demonstrated sound knowledge of abstract concepts including problem solving, leadership, team work and time management. Currently I'm a masters student seeking a graduate position at your esteemed organization**,** offering opportunities to grow efficiently along with the organization whilst making the most out of my technical and interpersonal skills.

EDUCATION

Master of Business Analytics : Macquarie University, Australia   *February'2023 – December' 2024*

WAM: 82

Bachelor of Technology : NIIT University, India   *August' 2017 – August' 2021*
Major: Computer Science – Data Science   **Grade**: 9.22/10

TECHNICAL SKILLS

Web/Databases	NodeJS, ReactJS, Django, HTML5, SCSS, CSS, JSON, JavaScript, Figma, SQL, MYSQL, NoSQL
DevOps**/**Programming / OS	Jenkins, Docker, Kubernetes, Git, Gitlab, Java, Python(Data Science), R ,Linux, Windows, MacOS
Monitoring/ Misc	Apptuit, NewRelic, Kibana, Datadog, JIRA, Confluence, MS Office Suite, Matlab, Gretl
Analysis/Insights	Alteryx, Tableau Desktop, Tableau Prep, PowerBI, Snowflake
Certifications	Tableau Certified Data Analyst, Alteryx Designer Core, Snowflake Hands on Credentials

PROFESSIONAL EXPERIENCE :

Business Intelligence Consultant - Internship – Billigence Pty Ltd, Sydney, NSW   **May 2023 – Present**

- Designed Predictive Analytics Solutions by developing a user-friendly approach using statistical modelling/ Python/R.
- Identified use cases for embedding predictive analytics into business processes for immediate action and informed decisions.
- Data Preparation and Modelling - cleansed data, performed feature engineering, and analysed interpretable machine learning models.
- Derived insights and constructed analytical dashboards.
- Completed Data Analyst certifications with tools like Alteryx and Tableau, built foundation in Snowflake to be able to engage in client consulting after readiness assessment.

Programming Coach – Skill Samurai AU/NZ : **Sydney, NSW**   **July 2023 - Present**

- Professionally coached students of age group 5 – 16 years about basic to intermediate python, java, javascript.
- Conducted school workshops and teaching sessions involving specific core topics related to logic building.
- Assisted with ideal debugging approaches for students to adopt and backtrack issues with their code.
- Analysed the curriculum and built up a delivery system that's interactive and easy to work with for younger age groups.
- Familiarised struggling students with alternate ways of learning by practice and helped them with additional resources.
- Prepared and delivered custom feedbacks to parents as a weekly progress record.

Consultant – WIFT Australia : **180 Degrees Consultancy Macquarie University**   **February 2023 – July 2023**

- Identified the internal and external revenue factors post a detailed business understanding on sustainable profitability goals.
- Analysed the past progress of organisation with the current sponsors and future expectations from potential partners.
- Researched on the project insights with the team and prepared individual critical and basic questions for the client.
- Proposed the marketing strategies for a better reach at target audience, by promoting engagement using existing socials.
- Identified possible turn down factors by the potential partners/ investors.

Full Stack Software Engineer | TATA Bigbasket.com   **January 2021 – January 2023**

- Deployed **CI/CD pipelines** for changing requirements using **Jenkins** to ensure quick and reliable deployments and **Automated testing** for test suites to validate cover edge cases in code, improving accuracy by 10%.
- Streamlined **web traffic anomaly detection** using **monitoring** tools leading to a reduction in app downtimes.
- **Monitored 10+ projects** for server health/performance, web traffic, security threats, and operational errors.
- Worked closely with **cross-functional teams**, to develop competent scope documents before project **development lifecycle**.
- Implemented proactive **checks within the production environment**, preventing outages, resulting in uptimes.
- **Created 10+ custom reusable front end components**-integrated with BE infrastructure, reducing development time by 20%.
- **Scaled application infrastructures** to manage web traffic by **redesigning existing architecture** to improve performance by 10%.
- **Collaborated on 6+ extensive projects** by maintaining/writing quality code, meeting tech specifications and system designs.

- Extensively worked on **DOM** manipulation using **JavaScript**, creating responsive web apps whilst leveraging full stack tools.
- Analysed and developed database models/schema for various paradigms using **SQL/NoSQL databases.**

INDUSTRY PROJECTS

Strategic Data Analysis : Analysed the datasets comprising of food industry offences by NSW LGAs to prepare insightful report and visualisations by manipulating and faceting the complex features and highlighting the nature and trends summarising critical factors.

Transformer ChatBot model **:** Encoded chatbot using some background information regarding LSTM, Keras and tensorflow in python. The model was trained on the Qoca dataset for optimum result. A complete Encoder, Decoder and output structure was formulated.

Next Phrase Prediction using Natural Language Processing, ML *:* Made use of tools and concepts such as LSTM, RNN, in ML & python for predicting an entire sentence which acted as base for a transformer chat bot model.

Capstone Project : Use of Blockchain in Healthcare Industry : Researched core principles of Blockchain and prepared a research paper on hash and RSA secured functioning model to prevent counterfeit drugs in the healthcare industry.

Analysis of Fintech Failures *:* Prepared a case study on major Australian FinTechs and the lifetime of Xinja and its successful and ineffective approaches to gauge more customers in a competitive spree with other neo banks.

Economics Paper **:** *Analysis of Crude Oil Prices last 10 years and its impact on Indian Economy (2018)* *:* Analysed the daily crude oil price with the OPEC dataset and prepared a research paper predicting future prices, using ML tools/libraries.