SRUSHTI PATIL

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SUMMARY

Data Scientist and Backend Developer with over 1 year of professional experience and 3+ internships across backend development, data engineering, and applied machine learning. Proven track record of building scalable APIs, predictive models and BI dashboards.

EDUCATION

K. J. Somaiya Institute of Technology, Sion, Mumbai   *2020 – 2024*
(Bachelor of Technology (BTech) in Information Technology with honors in Data Science) **(9.67 CGPA)**

WORK EXPERIENCE

Tata Consultancy Services – *System Engineer*   *Nov 2024 – Present*
- Developing backend microservices for a banking project, leading key user journeys and delivering secure, high-performance APIs with Spring Boot.

Piramal Pharma Limited – *Graduate Engineer Trainee (Data Engineer)*   *July 2024 – Nov 2024*
- Led the migration of business dashboards and data workflows to cloud platforms.
- Optimized AWS Glue jobs, created data marts in Snowflake and built dashboards in Qlik. *(AWS, Snowflake, Qlik)*

Yocket – *Program and Business Management Intern*   *March 2024 – July 2024*
- Set up Business Analytics methods for the company. Built dashboards to increase customer base with data centric decisions and analytics. Configured a new CRM tenant and implemented automation for leads on LSQ. *(LeadSquared CRM, Power BI, Tableau, Excel, Miro, Meta Ads)*

TATA Power – *Research Intern*   *June 2023 – May 2024*
- Designed a software product to predict electric load. Developed machine learning models (LSTM, ANN, DNN, RFR) with 95% accuracy for load prediction using weather and load data.
- Collaborated with stakeholders to refine product strategy, reducing manual efforts by 40% and saving costs. Performed data analysis and built a dashboard using Power BI. *(Python, Machine Learning, Microsoft Excel, MongoDB, FastAPI, Power BI)*

India Meteorological Department (IMD) – *Data Science Intern*   *July 2022 - May 2023*
- Collaborated with Scientists from IMD and developed Heatwave Watch System which aids in early prediction of heatwaves for forecasters. Overview & Website
- Created visualizations for temperature data and developed machine learning models (LSTM, CNN, DNN) for heatwave prediction.
- The current accuracy of predictions is 92.10%. Built a scraper to gather real time data. Optimized data preprocessing techniques and worked on backend development. *(Python, ML, APIs, Flask, Redis, Jira)*

Extern + National Research Group – *Market Research Extern*   *May 2024 - June 2024*
- Analyzed the impact of key influencers and advanced my market research skills within the policy influencer realm.

PROJECTS

- **AI Based Phishing Detection (2023)** - Created a Chrome browser extension for real-time phishing site detection based on user-surfed URLs. Extracted feature importance through Random Forest. Compared Random Forest, SVM, MLP, and Naive Bayes for classification performance. *Python, Machine Learning, JavaScript, Cyber Security* github
- **Automated Temperature Control Monitoring System (2022)** - Constructed and implemented an IOT project which includes an automated cooling system to optimize temperature control within a cold storage facility, enhancing efficiency and ensuring optimal conditions for storage. *HTML, CSS, JS, Firebase, IOT, Arduino IDE* github
- **Personalized Web Browsing Assistant (A web of things approach) (2022)** - Developed a mechanism that analyzes user browsing history to recommend relevant sites based on their area of interest. Created a Python-based system for parsing and analyzing user data from the Google Chrome Browser history. Implemented Karl Pearson Correlation Coefficient for User-based Collaborative Filtering. *Python, Machine Learning* github

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, HTML/CSS, C++, PHP
Tools, Platforms & APIs: AWS (Glue, S3), Snowflake, Power BI, Tableau, Qlik, MongoDB, MySQL, Git, Jira**,** Flask, FastAPI, SpringBoot

CERTIFICATES

Programming Foundations with JavaScript, HTML and CSS - Duke University | Google Data Analytics | AWS Academy Cloud Foundations | AWS Academy Cloud Architecting | AWS Academy Graduate - AWS Academy Cloud Security Foundations | Data Visualization with Power BI | Snowflake badge 1 & 2