

SRUSHTI PATIL

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SUMMARY

Software 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. [Portfolio](#)

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. (Java, Spring Boot, PostgreSQL)

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