SHRINIWAS SHARMA

Machine Learning Engineer | Data Scientist

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About Me

I'm a Machine Learning Engineer and Data Scientist with a solid engineering background, focused on deploying machine learning models into production environments. I'm proficient in Python and data science libraries, with experience using Cloud services to build scalable solutions. With a strong foundation in engineering principles, I enjoy data challenges and turning them into practical solutions. I'm adaptable, eager to learn new technologies, and excited about contributing to a forward-thinking organization.

SKILLS

Programming Languages

Python (Proficient)   R (Intermediate)
JavaScript (Intermediate)
C++ (Familiar)

Data Science Libraries

Pandas   Scikit-Learn   R/Shiny
PyTorch

Visualization Tools

Plotly/Dash   d3.js

Development & Operations Tools

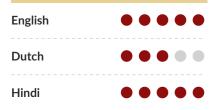Docker   Git   Linux   GitHub
Azure

PROJECTS

COVID-19 Data Visualization

- Developed an interactive dashboard to analyze and visualize COVID-19 data trends over time.
- Deployed on Netlify and Heroku using GitHub pipelines for CI/CD.
- 🔗 Map Dashboard on Netlify
- 🔗 Dashboard on Heroku

Python3   ReactJS   d3.js   Plotly

LANGUAGES

English   🔴🔴🔴🔴🔴

Dutch   🔴🔴🔴⚪⚪

Hindi   🔴🔴🔴🔴🔴

EDUCATION

M.Sc. (Computer Science)

Eindhoven University of Technology

📅 Aug. 2016 – Feb. 2019

B.E. (Manufacturing Engineering)

BITS Pilani, India

📅 August 2010 – June 2014

EXPERIENCE

Senior Software Engineer (Machine Learning Product)
Maaind Ltd.

📅 Nov. 2022 – Ongoing   📍 Eindhoven, The Netherlands

- Spearheaded the construction of a CI/CD pipeline, integrating static code analysis and vulnerability scanners to enhance code quality and security.
- Designed and automated data pipelines, enhancing data ingestion, transformation, and visualization processes, speeding them 2x, using a cookie-cutter approach for new data sources and clients.
- Executed exploratory data analysis and developed predictive models on physiological data, deriving insights that improved decision-making.
- Developed and implemented a model observability and monitoring pipeline, using Azure ML Studio, enabling real-time tracking of model performance and data drift.

Python   Django Rest Framework (DRF)   Azure   PyTorch   PySpark

Data Scientist
Phenospex B.V.

📅 May 2020 – Feb 2022   📍 Heerlen, The Netherlands

- Developed and implemented (full -stack) machine learning models for predicting plant diseases, which helped clients identify new fungicides 10x faster.
- Presented proof-of-value using hypothesis testing methods (t-tests and ANOVA), and helping convert PoV projects to clients.
- Created interactive dashboards and visual tools for EDA, model performance, enhancing client engagement and understanding for non-technical stakeholders.

Python3   R/Shiny   Scikit-Learn   JavaScript   Plotly/Dash   D3.js

Software Developer
Sioux B.V.

📅 Feb. 2019 - April 2020   📍 Eindhoven, The Netherlands

- Contributed to the development and maintenance of Philips Healthcare's digital pathology solutions, ensuring robust performance in clinical settings.
- Collaborated with interdisciplinary teams to implement software updates, reducing downtime by 15%.

C++   Python3   Debian Linux.

Software Developer
Grey Orange Robotics Pvt. Ltd.

📅 May 2014 - July 2016   📍 New Delhi, India

- Engineered fault-tolerant control server solutions for multi-robot coordination, achieving a system uptime of 99.9%.
- Developed critical software subsystems in collaboration with teams across engineering disciplines, leading to a 10% improvement in system efficiency.

Erlang   Open-Telecom Platform (OTP)   Python3   C++

MISCELLANEOUS

- Dutch Nationality. Sponsorship not required.
- In my free time, I enjoy playing the guitar, listening to music, and cooking.
- I am a big fan of documentaries and enjoy watching them in my free time.