

# Himanshu Sharma

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## EDUCATION

**Birla Institute of Technology and Science Pilani**

*Master of Technology in Software Systems CGPA: 8.5/10*

Dubai, UAE

*September 2020 –Present*

## KEY COURSES UNDERTAKEN

**Software Systems (Graduate Program):** Machine Learning, Data Warehouse, Data Mining, Network Security, Distributed Data Systems, Cloud Computing, Parallel Computing, Artificial Intelligence, Software Engineering, Software Architecture

**Mathematics (iNeuron Program):** Linear Algebra (Engineering Mathematics I), Calculus (Engineering Mathematics II & III), Probability and Statistics (Engineering Mathematics III).

## EXPERIENCE

**Graduate Researcher (Data Analytics)**

November 2021 – Present

*iNeuron.ai*

- Working on a research problem statement to develop a vision for Analyzing Google Apps Store data-set in terms of App downloads and Rating.

**Graduate Researcher (Python)**

October 2021 – Present

*iNeuron.ai*

- Web Crawlers for Image Data Sentiment Analysis and Product Review Sentiment Analysis.

**Senior Application and Technical Engineer**

January 2016 – August 2020

*Durst India (Durst Group AG)*

*New Delhi, DL*

- Coordinated and supported the Research and Development Team of 20 people in developing the smart shop solution project.
- Designed and implemented a strategy for improving the Machines' performance that helped over 200+ customers.
- Created and presented dashboards and monthly reporting of log files by using SQL Data Visualization.
- Generated real-time status reports and interfaced with integrated Durst Tools to track errors, resulting in a 45% improvement in performance.
- Analysis of the Data coming from the Indus-trials Machines.
- Analysis of the logs for further development.
- Headed a team of 5 for installing and setting up the Durst machines on the client-side and connected the serves in order to make their data available for production planning.

**Technical and Application Engineer**

February 2015 – January 2016

*CD Middle East, Durst Group*

*Ajman, UAE*

- Outlined and planned the strategy for the defect detection in the Industrial Printers and the working print heads that improved the performance by 65%.
- Closely worked with the R&D team of 20 people of Fujifilm Diamatix PrintHeads for the proper development and analyzing the performance.
- Maintained long-term customer relationships that helped to keep track of their performance that resulted in a profit increase by 12%.

**Application Engineer**

October 2013 – January 2015

*Durst India Pvt. Ltd*

*New Delhi, DL*

- Research Intern under the guidance of Mr. Thomas Mouser, Senior Application Engineer, Durst Phototechnik AG
- Designed a profile verification task using i-one(Caldera Software and application) to differentiate between a genuine colours and a forged colours.
- Tested the application task for multiple media.
- Working in the area of Linux operating systems, image processing/MS or and image/print quality.
- Competence and pleasure in dealing with customers.

## PROJECTS

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### Data Visualization using Power BI with Zomato Case study(Power BI)

- Designed and implemented a dashboard to aid in the tracking of restaurants and the rating on the basis of customer feedback all over the world.

### Forecasting(User's) Cryptocurrency using (Power BI)

- Inter connected Multiple Page Dashboard
- Designed and implemented a dashboard to Forecasting the Cryptocurrency (Bitcoin, Dogecoin, Ethereum).

### Industrial Machines' Performance using (Power BI)

- Designed and implemented a dashboard to aid in the tracking of performance metrics for 200+ Industrial Machines all over the world.
- Use Analytics to see productivity data in real time anywhere you are.

### Textile Defect Detection (Machine Learning)

- Implemented a Model to detect defected fabric.
- Developed a machine learning-based model to identify fabric defects, which automated a delivery and dispatch system and thus helped in improving efficiency by 92%.

### Web Crawlers for Image Data Sentiment Analysis and Product Review Sentiment Analysis\*\* (Python)

- Web Crawling accessing the web pages over the internet and pulling data from them.

### Flight Price Prediction (Machine Learning)

- Created an application (Airline Fare).
- The Model allows users to Automated a the cost of flight fares for various destinations by using a machine learning model which improved the efficiency by 95.2%
- The algorithm used for developing the model is Random Forest Regressor.

## TECHNICAL SKILLS

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**Languages:** Python, SQL

**Frameworks:** Streamlit, Flask

**Developer Tools:** Visual Studio, PyCharm

**Libraries:** NumPy, Matplotlib, Pandas, React\*\*

**Database:** SQL, NOSQL(MongoDB)

**Analytics :** Microsoft Power BI, Tableau

## CERTIFICATE'S

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**iNEURON:** Full Stack Data Science (November 2021 - Present)

**iNEURON:** Business Analytics - Power BI (August 2021 - Present)

**iNEURON:** Machine Learning & Deep Learning (August 2021 - Present)

**LinkedIN Learning:** SQL Programming (October 2021)

**Udemy:** Machine Learning using Python (March 2021)

**COURSERA:** AWS Cloud Technical Essentials (July 2021)

**AWS Training & Certification:** Machine Learning for Business Challenges

**Durst PhototechnikAG:** Alpha series /Durst PhototechnikAG/ Durst Group / HQ DurstPhototechnik AG

**Durst PhototechnikAG:** Rhotex /DURST PhototechnikAG Durst Group / HQ Durst Pho-totechnik AG

## EXTRACURRICULAR ACTIVITIES

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**Python Programmers' Hub:** Formed a Python Club where peers from my college share internship and project experience in the form of seminars and work on innovative projects together.

**Institute of Electrical and Electronics Engineers**