

ABHAY TYAGI

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EDUCATION

California State University, East Bay, CA

Jan 2021-Dec 2022

Master's, Computer Science

SRM Institute of Science and Technology, Chennai, India

Aug 2014-May 2018

Bachelor of Technology, Computer Science Engineering

GPA: 8.12/10

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C, React.js, HTML, CSS, Bootstrap, SQL
- **Courses:** Data Structures and Algorithms, Computer Vision, Web Systems
- **Framework:** Spring Boot, React.js, TensorFlow, Scikit-learn, Scrapy
- **Data Preprocessing:** NumPy, Pandas
- **Data Visualization:** Matplotlib, Seaborn, Tableau, Power BI
- **Machine Learning Algorithms:** Random Forest, Natural Language Processing (NLP), Image Recognition, Tensor flow, Keras, OpenCV, Hyperparameters
- **Tools/Technology:** VS Code, IntelliJ, Eclipse, Git, Docker, Jupiter Notebook, Tableau, Power BI

PROFESSIONAL EXPERIENCE

Emerging India Analytics, Noida

Apr 2020-Nov 2020

Data Science Intern

- Developed a Pre-Owned Car Price Predictor based on attributes such as date of manufacture, model, fuel type, number of owners etc. Used feature engineering to get the best out of train and test data.
- Worked on Plant Disease Detection using Computer Vision. Gathered information from grass-root levels to final implementation using EDA, ReLu Activation function and CNN. The project can help farmers reduce the losses due to leaf based diseases in crops.

Credolys Tech Private Ltd, Bengaluru

May 2019-Mar 2020

Software Engineer

- Performed Web Scraping using python to fetch client's data like KYC information.
- Involved in various Data Analysis projects using Exploratory Data Analysis (EDA) and Data Visualization using Tableau.

Larsen and Toubro Infotech, Mumbai

July 2018-Apr 2019

Graduate Engineer Trainee

- Managed and contributed in the development of all components of an Insurance Portal using Java Spring Boot (Spring MVC, Spring Data JPA, Spring REST, Spring Security), Hibernate, SQL, HTML, jQuery, and CSS.
- Performed root cause analysis, continuous improvement for application development, examined repeating issues, and made recommendations.

PROJECTS

Advance Scraping Bots

Dec 2019-Jan 2020

- Web Scraping on 50+ websites to fetch data like KYC, GST, ITR.
- Performed deployment on AWS Microservices using lambda server.

Advance House Price Prediction

Aug 2020-Sep 2020

- Performed feature engineering and Exploratory Data Analysis (EDA) to get the best out of the training and test dataset.
- Applied advanced regression techniques like random forest, gradient boosting and Hyperparameter Optimization.

Motor Insurance Made Easy (MIME) | Spring MVC, Hibernate, Tomcat 8.5

Sep 2018-Dec 2018

- Developed a dashboard for an Insurance Business to track its customers.
- Worked on MVC framework involving various tools in Java like Servlet, Spring, Maven and Selenium. Created user roles, Relational Database, and designed E-R Diagrams. Used HTML, CSS and Bootstrap to create a responsive front-end.

INTERNSHIPS

Sapient Consulting Private Limited, Gurgaon

Jun 2017-Jul 2017

- Collaborated with the Data Science team and enhanced my understanding of the process to query data and locate required data patterns to devise solutions to developer queries.
- Augmented my knowledge of the practical implementation of Data Technologies such as Hadoop and Spark.

Secure Private Limited, Udaipur

Jun 2016-Aug 2016

- Involved in creating dynamic website using HTML, CSS, Bootstrap and AngularJS.
- Worked directly with the software development team and comprehended the role of Agile Methodology in enhancing productivity and ensuring optimum client satisfaction.