

Md Jahid Hasan

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WORK EXPERIENCE

Ludwig Pfeiffer Hoch- und Tiefbau GmbH & Co. KG

Programmer

Dhaka, Bangladesh

January 2021 - November 2021

- Develop and maintain web applications and Database management systems, ensuring functionality and user experience.
- Direct the construction of reports using various tools such as Excel, Google spreadsheets, SQL, Pandas, and Power BI. Analyze data and provide insights to support business decision-making processes.
- Utilize Microsoft Power Apps, SharePoint, and Power Automate to create custom solutions and streamline business processes.
- Work on developing and maintaining a Pipeline Inspection Robot and QR code generator to improve operational efficiency and data tracking.

Tappware Solutions Limited

Assistant Software Engineer

Dhaka, Bangladesh

January 2020 - December 2020

- Possesses knowledge of data pipeline, and word embedding, and is skilled in analyzing and processing complex informational datasets using advanced querying and data visualization techniques.
- Capable of proposing, investigating, and improving new analytic abilities for deployment in e-governance solutions. Proficient in selecting algorithms, and analytics tools, and developing custom e-learning systems for Government organizations.
- Familiarity with working on large-scale datasets and proficiency in utilizing big data techniques for data processing.
- Experienced in building predictive models and implementing machine learning web APIs. Developed REST API for machine learning models using Django REST framework and PostgreSQL. Additionally, has expertise in analyzing Japanese patient and disease data.

Qtec Solution Limited

Junior Software Engineer

Dhaka, Bangladesh

June 2018 - November 2019

- Possesses solid experience in statistical and machine learning techniques, including classification, regression analysis, clustering algorithms, decision trees, and ensemble methods.
- Extensive Expertise in Web-Crawling, Advanced-Data Pre-processing, Web APIs, and Web Application Development, including HTML and XML Parsing.
- Utilizes predictive analytics, sentiment analysis, statistical modeling, and data mining techniques to develop data-driven and effective marketing strategies.
- Analyzes and processes sophisticated datasets using MySQL and Excel. Additionally, has experience with Big Data warehousing dimensional modeling and ETL development.

SKILLS

Programming: C/C++, Python, Java, R, MATLAB, JavaScript, Unix / Linux / PowerShell Commands / Neovim

Operating System: Linux (Debian, Arch), Windows, Mac

Web Development: HTML, CSS, Bootstrap, XML, json, WordPress, Django, GraphQL, Expressjs, Flask, Spring, Node.js, Django REST, React.js

Database/Cache: SQL, MySQL, SQLite, PostgreSQL, MongoDB

Data Science & Miscellaneous Technologies: Pandas, Matplotlib, Scikit-learn, NumPy, OpenCV(Java, Python), TensorFlow, Shutil, zipfile, Streamlit, Plotly, Power BI, Tableau, PyTorch, Keras, BeautifulSoup, Theano, H2O, SciPy, Seaborn, boto3, ggplot2, regex.

BaaS: Heroku, Netlify, Firebase, Amazon Web Services

Version Control & Documentation: Git, GitHub, Bitbucket, GitLab, Latex, Office (Microsoft, Libre, Wps, Google)

GUI Application: Java(UI-FXML), PyQt, Tkinter, Figma, Adobe XD, Moqups

API Design/Testing: Swagger, Postman, PyTest

Software Architectural Styles: REST API development, and testing, Model-view pattern (MVC & MVT)

DevOps and CI/CD: Docker, GitLab CI, Jenkins, Kubernetes

Collaboration/Project Management: Agile, Scrum, YouTrack, Trello, Jira

EDUCATION

Eastern University

Master of Science in Data Science

Philadelphia, Pennsylvania

Present

Relevant Coursework: Fundamentals of Data Science, Data and Database Management with SQL

Southeast University

Bachelor of Science in Computer Science & Engineering

Dhaka, Bangladesh

February 2018

Relevant Coursework: Database Design, Artificial Intelligence, Statistical Methods & Probability, Image Processing, Data Mining

CAREER DEVELOPMENT TRAINING & CERTIFICATION

Udemy Certification: Automate the Boring Stuff with Python Programming, Python for Beginners: Complete Python Programming

IBM Certification: Python for Data Science, Data Analysis with Python.

Coursera Certification: Machine Learning, Applied Machine Learning in Python, Crash Course on Python, Data Science Math Skills, SQL for Data Science, Introduction to Data Science in Python, Convolutional Neural Networks in TensorFlow, Natural Language Processing in TensorFlow etc.

SoloLearn Certification: Python 3, Machine Learning, DS with Python, SQL

PROJECTS

- Implemented an Image Processing project for advanced Face Detection. OpenCV, Python, Pillow, Cascade classifiers
- Box Office India Visualization: Wikipedia Data. Pandas, Numpy, BeautifulSoup, Streamlit, Plotly
- Implemented a Student Management System. Flask, SQLAlchemy, PostgreSQL, Docker, HTML, Bootstrap
- California Housing Prices Prediction. Django REST Framework, Jupyter Notebook, Pandas, Numpy, Scikit-learn
- Predictive ML Web API for Important Notice Analysis. Flask, pickle, request, jsonify, Tensorflow, Heroku, Mysql

Authorized to work for any US employer. No sponsorship required now or any time in the future. Strong problem-solving and communication skills.