

Md Jahid Hasan

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EDUCATION

Eastern University

Master of Science in Data Science

Philadelphia, Pennsylvania

Present

Southeast University

Bachelor of Science in Computer Science & Engineering

Bangladesh

February 2018

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

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

WORK EXPERIENCE

Ludwig Pfeiffer Hoch- und Tiefbau GmbH & Co. KG

January 2021 - November 2023

Programmer

- 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.
- 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.

Tapware Solutions Limited

January 2020 - December 2020

Assistant Software Engineer

- 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.

Qtcc Solution Limited

June 2018 - November 2019

Junior Software Engineer

- 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.

PROJECTS

[Loan Approval Prediction System](#)

TECH STACK: PYTHON, FLASK, HTML, CSS, JS, DOCKER, RAILWAY, SCIKIT-LEARN, MATPLOTLIB, SEABORN, PANDAS

- Demonstrated solid experience in statistical and machine learning techniques, including classification algorithms, data preprocessing, and model evaluation.
- Designed a clean, responsive front with interactive data visualizations using Matplotlib and Seaborn to enhance insights and improve user understanding.

[Transaction Analysis Dashboard](#)

TECH STACK: PYTHON, PANDAS, NUMPY, MATPLOTLIB, SEABORN, HTML, CSS, JAVASCRIPT, GITHUB PAGES

- Built a comprehensive transaction analysis dashboard, leveraging univariate analysis techniques to extract actionable insights from transactional data.
- Utilized Matplotlib and Seaborn to create detailed visual reports, showcasing trends and patterns in financial transactions.

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