



Mitesh Chakma

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Tampere, Finland

SUMMARY

Software Engineer with 4 years of experience in Python and leading tech projects. Successfully enhancing systems and developing solutions both in-house and remotely, currently working with Turing. Pursuing an MSc in Software Engineering to further deepen expertise.

SKILLS

- **Programming Language:** Python
- **Web Technologies:** HTML, CSS, JS
- **Big Data & Data Engineering:** Databricks, PySpark
- **Database:** MySQL, PostgreSQL, MongoDB
- **Version Control:** Git, Jira, Bitbucket, Trello
- **Development & Operation:** AWS S3, Docker
- **Machine Learning Technologies:** Scikit-learn, Feature Engineering, ML Modeling and Algorithm development

WORK EXPERIENCES

- January 2023 – Present
AI Trainer | TURING | Silicon Valley, California, United States | Remote
- Prepared datasets, implemented ETL, built pipelines, performed quality checks, optimized databases, and automated validation for AI training.
 - Assisted in the development and training of AI models using various machine learning techniques, regularly evaluating and validating model performance.
 - Optimized database performance and storage solutions, leveraging technologies like SQL, NoSQL, and cloud-based data platforms to enhance data retrieval and manipulation efficiency.
- December 2020 – December 2022
Software Engineer | FernTech Solutions Ltd. | Dhaka, Bangladesh
- Led the project “HnCitiPages” targeting the South African market.
 - Designed the core backend of the application and implemented aligned solutions.
 - Enhanced backend functionalities and boosted site upload capacity, thereby amplifying user feedback.
- July 2020 – November 2020
Software Engineer | SK JAPAN EXPORT CO. LTD | Dhaka, Bangladesh
- Collaborated with AI engineers and frontend developers to deploy solutions on shared platforms.
 - Developed new web functionality and managed AI models on the IOT platform.
 - Designed single sign-on with Identity and Access Management using KeyCloak.
 - Trained, managed, and guided Intern software development engineers.
- October 2018 – May 2018
Trainee Artificial Intelligence Engineer | Hiperdyne Corporation | Dhaka, Bangladesh
- Developed algorithms using Python, NumPy, and Pandas for data filtering.
 - Visualized data through graphs and charts for meaningful interpretation.
 - Implemented data mining strategies to curate a valuable database.
- June 2018 – September 2018
Research Assistant | LASET, BRAC University, Dhaka, Bangladesh
- Processed and visualized environmental and social geospatial data for Bangladeshi urban and rural areas.
 - Utilized ArcGIS to conduct specialized spatial analysis, improving data visualization with detailed graphs and charts.
 - Constructed a machine-learning script to predict future growth in urban and rural regions of Bangladesh.

Education

- 2023 – Present
MSc in Software Engineering | Lappeenranta University of Technology, Lappeenranta, Finland
- 2013 – 2017
BSc in Computer Science | BRAC University, Dhaka, Bangladesh
- August 2016 – December 2016
Exchange Student, Computer Science | Kent State University, OH, USA | Administered by: World Learning
Sponsored by: US Department of State's Bureau of Educational and Cultural Affairs

Publications

- PUBLICATION 1 : “Determining Land Use and Land Cover Changes and Predicting the Growth of Dhaka, Bangladesh Using Remote Sensing and GIS Techniques”, Malaysia, ICESAT2018
URL:<https://iopscience.iop.org/article/10.1088/1742-6596/1152/1/012023>
- PUBLICATION 2 : “Change Detection of the Sundarban Part of Bangladesh Using Remote Sensing and GIS Techniques with Machine Learning Algorithms”, Germany, IAC 2018
URL:<https://iafastro.directory/iac/paper/id/47723/summary/>