

Milind Rahatwal

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EDUCATION

Master of Applied Computer Science

St. Francis Xavier University, Antigonish, NS | Class of 2022 - 2024

Bachelor of Computer Engineering (Mumbai University)

Chhatrapati Shivaji Maharaj Institute of Technology, Mumbai, Maharashtra | 2019-2022

SKILLS

Programming: Java, Python, Javascript, NodeJS, C, C++, HTML, R.

Frontend and Backend: Spring Boot, React, CSS, REST, Bootstrap, Material UI, JQuery, Android Studio, Django.

Database: MySQL, MongoDB, NoSQL.

Relevant Technologies: Git, Docker, CI/CD, Jira, Agile Development, SDLC, Apache Server, Unit Testing.

WORK EXPERIENCE

Engineer Intern

Static.Int Educare, Mumbai | Jul 2021 - Dec 2021 · 6 months

- Employed tools such as Python, Excel and SQL to conduct comprehensive data analysis, ensuring accuracy and reliability in the results.
- Assisted in the planning process, providing support in project management activities, timeline development, and resource allocation.
- Collaborated closely with the project team, utilizing data-driven findings to enhance the overall design and planning phases.

R&D Intern

Sanskritech, Mumbai | Jan 2022 - Jun 2022 · 6 months

- Worked closely with the Research and Development Head, receiving direct guidance and mentorship, which greatly enhanced knowledge and skill development.
- Demonstrated a proactive and results-driven approach, consistently seeking innovative solutions and contributing to the organization's overall success.
- Developed and maintained detailed records of research procedures and data, ensuring the accuracy and reliability of analytical results.

SELECTED PROJECTS

Location Based Security (Java, Android Studio, AES, Data Security, Geolocation, CSS)

- Developed a mobile application for secure file sharing based on geolocation-based security.
- Implemented AES algorithm to encrypt the password shared to the recipient via email.
- Imposed time constraints on file access by recipients.
- Collaborated with a team of 4, following Software Development Lifecycle and clean code practices.

Profile Based Agriculture System (Python, CSS, React, MongoDB, JavaScript)

- Engineered a user-friendly web application that serves as a centralized hub for monitoring and managing agricultural fields.
- Integrated predictive modeling to recommend the most profitable crops based on the current environmental factors, optimizing yield and profit margins.
- Users can upload images of their crops, and the system employs machine learning models to identify and diagnose potential diseases, enabling prompt intervention and crop protection.

Type-2 Diabetes Prediction with Gene Expression (Python, Git, MySQL)

- Engineered the program to provide early predictions of T2D, offering valuable insights that enable timely intervention and personalized healthcare.
- Implemented cutting-edge machine learning algorithms, with a specific emphasis on the MNN (Matched Normalization) algorithm.
- Engaged in feature engineering to extract meaningful patterns and relationships from the genomic data.

ACHIEVEMENTS

- **Winner of the MIT Hackathon**, MIT Pune.
- **Publication for Location Based Security**, IRJET.
- **Winner of Technical Debate Competition**, Thakur Polytechnic Mumbai.