

EDUCATION

New Jersey Institute of Technology, Newark, NJ

August 2021 – Present

Master of Science in Computer Science, CGPA – 3.50/4.00

Relevant Courses: Data Management System Design, Data Mining, Operating System Design, Java Programming, Advanced Database Management System.

Vishwakarma Institute of Technology, Savitribai Phule Pune University

August 2014 – May 2018

Bachelor of Technology in Electronics and Telecommunication, CGPA – 7.99/10.0

Relevant Courses: Data Structures and Algorithms, Computer Architecture and Operating System, Linear Algebra

PROFESSIONAL EXPERIENCE

❖ *Aarete – Senior Associate*

July 2018 – August 2021

Major Australia- based Largest teahouse Company | Food and Beverage Domain

- Created a **.Net** web application with login authentication and embedded **40+** Power BI reports into the application to help the client to visualize various KPIs and take strategic decisions.
- Worked on domain research, collection of approximately **4TB** of data from multiple sources into Redis, creation of SSAS cubes for analysis using Microsoft Visual Studio, a connection of SSAS cubes as a live data source to PowerBI and building of multiple report and dashboard to assist clients in making data-driven decisions.
- **Handled large dataset**, built complex visualizations, wrote documentation, and user manual and provided client mentoring.
- Attained **70%** efficiency by using data cleaning and schema creation techniques and visualized performance metrics on real time dashboards.

Major US-based Mining and Metals Industry | Fleet Management & COVID Application

- Led a team of 4 members to design and develop a fleet management website on PowerApps portal using web technologies like HTML, CSS, JavaScript, and Bootstrap.js. Leveraged a component using React to address more complex scenarios in the application.
- Collaborated with cross-functional teams such as Business Analysts, UI-UX designers, and testers to work on mobile and web end to end PowerApps COVID application which is used by 4000+ user daily to track health of its employee in real time and maintain safety in the mine.
- Utilized CDS as data source, wrote fetchXML queries to fetch data, integrated daily medical questionnaires APIs, and generated health passport to maintain contact traceability effectively – saving 48 hours of manual work.

❖ *Aeron Systems Pvt. Ltd. – Undergraduate Intern*

July 2018 – December 2018

- Built a working prototype to assist blind people. Implemented the **Haar-cascade Algorithm** to identify objects, a **Canny Edge Algorithm** to detect edges in the images, and an ultrasonic sensor to calculate the distance followed by the audio output.

ACADEMIC PROJECTS

❖ **Blind Assistance System Using Stereovision:**

- Attained 40% efficiency, 87% accuracy and enhanced the capabilities of the internship project by training the Haar cascade for various objects like trees and poles on roads, used GPS to track the location and added a feature of converting text images to audio format.

❖ **Crime Prediction and Analysis:**

- Built a multi-class classification model for dataset of around 1.4 million data, using Decision Tree classifier and Gaussian Naïve Bayes classifier to predict the type of major crime committed based on time of day, neighborhood, division, year, month, etc.
- For clustering the dataset, used KMeans technique and analyzed using Axes 3D plot for better visualization and understanding.

❖ **Internet Traffic Classification Tool:**

- Developed an internet traffic classification tool with Python and Tshark which classifies the internet traffic belonging to different application layer protocols.

TOOLS & TECHNOLOGIES

Languages: Python, R, SQL, C, DAX, M-Query, MATLAB, Java

Databases: MSSQL, MySQL, PLSQL

Web Tech.: HTML5, CSS, XML, JavaScript, JSON, React, jQuery, REST

Operating Systems: Windows, Linux

Tools: Git, Tomcat, SQL Developer, PyCharm, Visual Studio Code, Excel, Tableau, Power BI, PowerAutomate.

AWARDS AND ACHIEVEMENTS

- Won two **“Spotlight Awards”** for handling complex modules, going the extra mile, finding the optimal solution, which improved the overall performance of the project, requirement gathering, and client handling.
- **Employee Engagement Committee (Aarete):** Conducted technical training sessions, team building activities.
- **Certification:** Microsoft Certified Data Analyst Associate.