

Mahanand Adimulam

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EDUCATION

Rochester Institute of Technology,

Master of Science in Data Science, **3.9 GPA**

Related courses: Foundations of Data Science, Applied Statistics, Software Construction.

Rochester, NY
Expected May 2024

Kalinga Institute of Industrial Technology,

Bachelor of Technology (Honors) in Electronics and Computer Science Engineering, **3.7 GPA**

Bhubaneswar, India
May 2022

TECHNICAL SKILLS

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|------------------------|---|
| Programming Languages: | Python, SQL, R Language, Java, C, C++ |
| Tools/Frameworks: | Sci-kit, Seaborn, Plotly, Matplotlib, Pandas, NumPy, MS Excel, Keras, TensorFlow, PyTorch |
| Databases: | MySQL |
| Operating System: | Windows, MacOS, Linux |

PROFESSIONAL EXPERIENCE

Golisano College Of Computing and Information Sciences, Rochester, NY

Jan 2023 – Present

Tutor

- Tutoring for subjects Computational Thinking and Solving, Software Development and Problem Solving I and Software Development and Problem Solving II.
- Assisting students in understanding complex programming concepts and provide guidance on assignments and projects.
- Helping students to gain confidence in themselves by assisting them in reaching to the solution by themselves.

HighRadius, Bhubaneswar, India

Jan 2021 – March 2021

Full Stack Developer Intern

Developed a project to predict the close date of the invoice and manage more than 50K invoices.

- Carried out EDA in Jupiter notebook to provide insights about the invoices.
- Built models based on Decision Tree Regressor, and Random Forest to predict the close date of the invoice.
- Implemented email notification functionality in the main framework in case of invalid login password used portal.
- Created the frontpage of the application using HTML, CSS, React and JavaScript.
- Maintained the backend of 50K+ invoices using Java Servlets, MySQL.

ACADEMIC PROJECTS

AlexNet: An Exploration of CNNs, Rochester Institute of Technology

August 2022 – December 2022

Compare Self written implementation of AlexNet with pretrained models of Keras and subclassify whole and cut pizzas.

- Worked with pre-trained models of ResNet50, InceptionV3 and the self-written AlexNet models on ImageNet dataset.
- Compared the results to find that the pretrained models performed better than AlexNet by 30% accuracy.
- Subclassified whole and cut pizzas using transfer learning for ResNet50, InceptionV3 and AlexNet models.

Health Care Application, Kalinga Institute of Industrial Technology

July 2021 – March 2022

Developed an application which predicts the disease the user is suffering from based on the symptoms entered.

- Carried out EDA in Jupiter notebook to provide insights about the diseases.
- Built models based on Decision Tree Regressor, and Random Forest to predicts the disease using symptoms.
- Developed an application where the user can input their symptoms and predict the potential disease.
- Linked the application with a healthcare website where the patient can connect with nearest doctors in their city.

CERTIFICATION

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| CCA Python Level 1 (Cambridge Certification Authority) | August 2021 |
| 2021 Complete python Bootcamp from Zero to Hero in Python (Udemy) | Jan 2021 |
| Machine Learning A-Z: Hands-On python& R in Data Science (Udemy) | May 2021 |
| Programming for Everybody (Getting Started with Python) (Coursera) | July 2020 |

VOLUNTEER EXPERIENCE

- National Service Scheme (NSS) Nukkad
Performed street plays to spread awareness and educate people on sensitive social topics.
Dec 2018 – July 2019
- Prepared meals for the unhoused people during the pandemic.
Mar 2020 – Dec 2020
- An active member in helping street animals with food, and medicine for the injured animals.
Jan 2020 – July 2022