

AASTHA MISHRA

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Passionate software engineer with 1-2 years of experience in developing applications and back-end systems. Skilled at writing clear, concise code that is easy to maintain and troubleshoot. Experienced in working with both small and large teams across multiple projects and companies. Experience in Pega with a solid understanding of **Software Development Life cycle** and Agile methodology. Passionate and proficient in development always ready to **explore and learn new technology**. Played key role in development of creating and enhancing our claims and digital application. Experience in various domains such as banking(BOA) and financial(BOA) Services, theomchem, ethical hacking and quest to learn more.

SKILLS

Languages/Technologies/Frameworks: C/C++, Python, SQL, Machine learning, Deep learning, Natural language processing, Scikit learn, TensorFlow, Relational databases, Git, GitHub, VS Code, JIRA, Pega
Certifications: Artificial intelligence, Machine Learning, Cyber security, Ethical Hacking, Java Fundamentals and Rest API

EXPERIENCE

Bank Of America

Chennai, India

Software Engineer

17th July 2023 - Present

- Working in **Bank Of America** as a **Pega Developer** on **ENG - Epic Next Gen**. Successfully developed claims and digital application in Bank. Experience in **Pega Story**, developed several functionalities like adding transactions, build reports, **enhancements**, performed multiple **Unit Testing**, build several utilities to solve major problem with the applications, removeing previously known redundancy by 40% and improved efficiency by 88%
- Experience in enterprise infrastructure of finance, banking industry, application deployment, development cycle and release management. Conducted non-routine maintenance activities and guided lower-level teammates.
- **PYTHON** - Helped a team automate there application through core python 3.8.0.

MITACS - McMaster University

Hamilton, Ontario, Canada(10yr working VISA)

Research Internship physically in Canada

26th June 2022 - 19th September 2022

- Worked on building a **Python utility** for measuring molecular distances. Utilized **atom-wise alignment and similarity measurement techniques** to accurately calculate distances.
- Contributed to ongoing research efforts in the field of chemistry and computational chemistry.

Stefanini India Pvt Ltd

New Delhi, India

Machine Learning Intern

July 2021 - Septemeber 2021

- Developed a **Stock Market Price** Prediction project using **LSTM model** in Tensorflow/Keras.
- Achieved a **RMSE of 4.14** on the prediction of stock prices, demonstrating high accuracy and precision.

PROJECTS

HEAL | [GitHub](#)

- **HEALTHCARE EMERGENCY ASSISTANT AND LOGISTICS CHATBOT** Conversational AI - Understands and responds to user inputs in a human-like manner. Pre-Trained Model - Uses NLTK, TFlearn, and TensorFlow for NLP and deep learning

Sentiment Analysis and Handwritten Text Recognition | [GitHub](#)

- Developed a sentiment analysis model with **83% accuracy** on **1.6 million tweets** dataset using Tensorflow/Keras. Trained the model on the MNIST dataset of **70k images**, achieving **99.01% accuracy**

EDUCATION

SRM Institute of Science and Technology

2019 – 2023

B.Tech. in CSE with Specialisation in Artificial Intelligence and Machine Learning; CGPA: 9.20

India

Cambridge School

2019

CBSE Class XII ; Percentage: 77.2%

Indirapuram, India