

SAVINAY SHUKLA

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EDUCATION

New York University, Tandon School of Engineering , Brooklyn, NY <i>Master of Science in Computer Engineering</i> <ul style="list-style-type: none">Coursework: Machine Learning, Deep Learning, Computer Networks	Sept 2022 – Present 4.00 GPA
Manipal University Jaipur , Jaipur, India <i>Bachelor of Technology in Information Technology</i> <ul style="list-style-type: none">Coursework: Data Structures and Algorithms, Java, OOPS, Data Science	Jul 2015 - Jul 2019 8.08 CGPA

SKILLS

Languages:	Java, Python, JavaScript, HTML/CSS, C++, SQL, NoSQL.
Tools and Framework:	Angular, Node.js, Spring Boot, Struts, JUnit, Pytorch, Docker, REST, Git.

WORK EXPERIENCE

New York University , Brooklyn, NY <i>Graduate Course Assistant</i> <ul style="list-style-type: none">Assisting Prof. David J. Pine in his course on scientific computation using Python.Curating course content on the use of NumPy, Pandas, and Numba in computational chemistry.	Jan 2023 – Present.
IBM India , Bangalore, India <i>Full-Stack Developer</i> <ul style="list-style-type: none">Responsible for the development and deployment of API improvements primarily focused on application migration.Collaborated with multiple development teams to deliver fast and robust solution prototypes.Improved a full-stack web application to incorporate real-time tracking and reporting of industrial cargo.Transformed source modules and schemas to increase report generation performance by 70%.Introduced modern UI modifications for users to upload and analyze cargo data easily.Awarded “IBM Gold Champion Learner - 2020” recognition for a continuous learning initiative.	Dec 2019 – Aug 2022
Morning Blaze Pvt. Ltd. , Pune, India <i>Data Science Intern</i> <ul style="list-style-type: none">Coordinated research on prior implementations of time-series analysis on stock market data.Engineered modules and macros to automate technical analysis of stock market indices.Responsible for collecting and analyzing structured and unstructured market sentiments.	Feb 2019 – Jun 2019
Tata Steel Ltd. , Jamshedpur, India <i>Intern</i> <ul style="list-style-type: none">Developed a Net Promoter Score (NPS) capture system for employees using Node.js and Express.	Jun 2018 – Jul 2018

PROJECTS

Just Breathe , Brooklyn, NY <i>C++, ARM Cortex-M4, PlatformIO</i> <ul style="list-style-type: none">Designed a real-time embedded system on a STM32 Discovery board to detect breathing anomalies of patients.Devised an algorithm with a BNO055 orientation sensor to trigger alarms against breathing irregularities.	Nov 2022 – Dec 2022
C-Match , Bangalore, India <i>Angular, Spring Boot, MongoDB, Docker</i> <ul style="list-style-type: none">Developed a responsive web application to monitor score updates and news for major cricket leagues.Engineered a micro-service based architecture using Spring Boot along with a CI/CD pipeline.	Dec 2019 – Jan 2022
Market Watcher , Pune, India <i>Python, Flask, Tensorflow</i> <ul style="list-style-type: none">Developed a python based stock market recommendation engine using Pandas, Keras and Flask.Implemented generative models such GANs to accurately predict market trends.Incorporated global market indices and technical indicators as prominent features to reduce prediction errors.Optimized engine across 300+ BSE companies, resulting in reduced prediction losses of up to 2%.	Feb 2019 – Jun 2019