ADITYA CHANDRA

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EXPERIENCE

GE Transportation, a Wabtec Company
Software Engineering Specialist

📅 Feb 2019 – Present   📍 Bengaluru, India

- Developed Web Application security and authentication for Rail Contract Management(RCM).
- Reduced the risks of data breach by enabling TLS encryption for Oracle and MongoDB.
- Implemented multiple end-to-end full stack features for RCM and was presented **silver award** for *"Pursuing Excellence"* in 2021 Q1 Network and Logistics India Recognition.
- Currently working with the Data team and responsible for ETL pipeline of RCM.

Wattmills Technologies
Summer Intern

📅 Jun 2018 - Aug 2018   📍 Bengaluru, India

- Developed a prototype that uses machine learning to analyse historical market trends of stock prices and provide portfolio management suggestions.
- Implemented the ARIMA model and used Markov simulations to predict the direction of stock market prices.

ACHIEVEMENTS

Smart India Hackathon, Software Edition
Award for Inspiration by Persistent Systems

📅 Mar 2018   📍 Bhopal, India

- Developed a voice recognition enabled Tactile Auditory Learning Kit that helps visually impaired children to grasp images. *(National Level)*

ITC Infotech Codeathon
Special Jury Award, iTech

📅 Jul 2017   📍 Bengaluru, India

- Built a feature for Android app to send customer feedback that could be monitored on a **MEAN** stack Web dashboard

EXTRACURRICULAR

🏛 **Hands-on Workshop using Node.js**
Served as facilitator for **Google Developer Student club** and conducted hands-on workshop on Node.js for my peer students and juniors. **– Nov 2018**

🏆 **1st Place in Network & Logistics Virtual Hackathon**
Conducted by Wabtec Corporation *(Global Level)* **– Nov 2021**

🏆 **2nd Runner up in 90Kg Men's Category**
Mutante Strength Raw Powerlifting Championship *Squat* - 160Kgs, *Bench* - 100Kgs, *Deadlift* - 200Kgs *(Regional Level)* **– Feb 2021**

🏆 **1st Runner up at 18th Annual VTU Youth Festival**
Produced and composed background music scores on the keyboard for Kannada one act play *"Karanji"*. *(Regional Level)* **– Apr 2018**

EDUCATION

B.E. (*Information Science and Engineering*) - **9.33** CGPA
Ramaiah Institute of Technology

📅 2015 – 2019   📍 Bengaluru, India

PUBLICATION

Study on Unsupervised Statistical Machine Translation for Backtranslation (link)
Proceedings of Recent Advances in Natural Language Processing (RANLP)

📅 Sep 2019   📍 Varna, Bulgaria

PROJECTS

Data Science with Julia (link)

📅 2019

- Co-authored the book with *Julia* scripts illustrating implementation of **Supervised and Unsupervised ML algorithms** on real-world datasets. (book yet to be published)

Style Transfer (link)

📅 Jan 2019 – May 2019

- It guides non native English learners to compose formal emails by translating sentences from informal to formal style.
- preprocessed 100K pairs of sentences and trained with attention-based **Neural Machine Translation**.

Soft Braille (link)

📅 Aug 2017 – Dec 2018

- Contributed to Corporate Social Responsibility work by developing open source Desktop app that could convert scanned pages from school textbooks to a braille equivalent output which was cost effective to print.
- The App is currently being used in **Mathru Blind School**, *Bengaluru, India*.

SKILLS

Programming : Python, Java, JavaScript

ML Libraries : PyTorch, TensorFlow, NLTK, Scikit-learn, Pandas, Numpy

INTERESTS

Data Science   Data Mining   Big Data
Machine Learning   AI   NLP