

SCHOLASTIC ACHIEVEMENTS

- Secured an **AIR of 8358** in IIT - Joint Entrance Exam Mains, 2018 from among 1.2 million candidates
- Selected for Kishore Vaigyanik Protsahan Yojana Scholarship (KVPY) 2018 by securing an **AIR of 900**
- Selected as one of the top 1000 candidates in UP Science Talent Search Examination and received a scholarship of **INR 48,000**
- National Top 1% in National Standard Examinations(NSEs) in Physics, Chemistry and Astronomy** 2017-18 organised by **Indian Association of Physics Teachers (IAPT)** and appeared for **INPhO, INChO** and **INAO** (respective next stages)
- Awarded Max New York Life Igenius Scholarship 2010 and received a scholarship amount of **INR 3000** as a reward for exceptional performance in extracurricular pursuits.

WORK EXPERIENCE

**Full Stack - Engineer**

*Bengaluru*

*HealthPlix Technologies*

July'22 - Present

- Developed and maintained an in-house reusable UI library using ReactJS, TypeScript, Tailwind CSS, and HTML, improving frontend consistency and reducing development time for cross-team projects.
- Played a major role in enhancing the flagship electronic medical record (EMR) product:
  - Revamped the consultations page, contributing to improved navigation and user experience for medical professionals.
  - Implemented essential features like patient history and past medication views, providing doctors with easy access to vital patient data.
  - Built reusable components utilized by multiple teams, supporting faster and more efficient feature rollouts across products.
- Optimized performance by reducing re-rendering of VisitPad fields by 25
- Implemented WatermelonDB to facilitate offline data storage, significantly enhancing app performance and accessibility in low-network environments, especially valuable in rural and remote areas.
- Integrated Amplitude for frontend analytics, enabling detailed insights into user behavior and facilitating data-driven product iterations.
- Enhanced VisitPad functionality in OPD, contributing to over 2 Crore in sales from small clinics by delivering a reliable, feature-rich experience tailored for clinic workflows.
- Collaborated with OpenAI to integrate text-to-speech technology within IPD and OPD modules, allowing doctors to populate VisitPad notes through conversational input, reducing manual entry and improving doctor-patient interaction.

**Data Science Intern**

*Mumbai*

*Aramex India Pvt Ltd*

Aug'21 - Jan'22

- Improved last mile performance in Bahrain by enhancing address information extraction logic.
- Developed and trained a model to map delivery point addresses in Bahrain using block numbers and road numbers.
- Conducted data analysis, pre-processing, and feature engineering for reliable results.
- Increased accuracy of the trained model from 90% to 99%.
- Integrated data science solutions with existing systems, collaborating with software engineers and operations teams.
- Demonstrated exceptional performance and contributions, leading to an offer for a full-time role with Aramex India Pvt Ltd.

EDUCATIONAL QUALIFICATIONS

<b>B.E, Electronics and Instrumentation Engineering</b>	7.47/10.0
<i>Birla Institute of Technology and Science, Pilani</i>	2022
<b>Class 12<sup>th</sup> – ISC Board</b>	90.33%
<i>City Montessori School, Lucknow</i>	2018
<b>Class 10<sup>th</sup> – ICSE Board</b>	95%
<i>Seth M.R. Jaipuria School, Lucknow</i>	2016

SELECTED PROJECTS

**Inpatient Department (IPD) Module Development**

*HealthPlix Technologies*

July'22 - Present

- Developed the IPD module for efficient patient management in larger hospitals.
- Integrated OpenAI's text-to-speech technology, enabling conversational input for populating VisitPad notes.

**Flagship Electronic Medical Record (EMR) Product Enhancements**

*HealthPlix Technologies*

July'22 - Present

- Revamped the consultations page for improved navigation and user experience.
- Implemented features for patient history and past medication views, enhancing data access for healthcare providers.
- Contributed to the VisitPad OPD, facilitating over 2 Crore in sales from small clinics.

**One Shot Fingerprint Singular-Point Detector**

*Mentor: Prof. Kamlesh Tiwari*

Mar'22 - May'22

**Architecture Image Matching**

*Mentor: Prof. Kamlesh Tiwari*

Mar'22 - May'22

**Laser Applications in Biomedical Field**

*Mentor: Prof. Dr. Sujan Yenuganti*

Mar'21 - Apr'21

**Design and Analysis of Temperature Control System using Conventional PI and Advanced ANN Controllers**

*Mentor: Prof. Puneet Mishra*

Jan'21 - July'21

**A Closer Look at Spatiotemporal Convolutions for Action Recognition**

*Mentor: Prof. Surekha Bhanot*

Mar'20 - May'20

SKILLS

**Programming Languages:** Javascript, C++, Java, Python  
**Libraries and Tools:** ReactJS, Git, TailwindCss

RELEVANT COURSES

Neural Network and Fuzzy Logic | Discrete Mathematics | Data Structures and Algorithms | Probability and Statistics | Introduction to Machine Learning | Digital Image Processing | Signals and System | Linear Algebra and Ordinary Differential Equations | Real Analysis and Multivariate Calculus | Partial Differential Equations | Deep Learning Specialization\* | Internet of Things\* | Cyber Security\* Machine Learning\* | Introduction to Data Science in Python\*| Python Specialization\*  
\*: Coursera

INTERESTS

Badminton | Football | Reading Novels | Sketching