

Vishal Mandrai

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY

B.TECH | INSTRUMENTATION
AND CONTROL ENGINEERING
Aug 2022 | Tamil Nadu, India
Cum. GPA: 7.74 / 10

DELHI PUBLIC SCHOOL

BHOPAL, M.P. - INDIA
Grad. May 2018 | 90%

LINKS

GitHub: [VishalMandrai](#)
ML Projects: [ML-Projects](#)

TECHNICAL SKILLS

PROGRAMMING TOOLS

• Python • SQL • Google BigQuery

LIBRARIES / FRAMEWORKS

• Pandas • Numpy • Scikit-learn
• Matplotlib • Seaborn • Plotly
• Streamlit • Selenium • Flask

OTHER SOFTWARES AND TOOLS

• PyCharm • Jupyter Lab • Tableau
• Google Studio • MS Power BI

COURSEWORK

INDEPENDENT

- Data Science Mentorship Program 2.0 by CampusX
- [Data Science Course by 365 Careers](#)
- Digital Marketing Course by Rob Percival, Udemy

ACHIEVEMENTS

- Cleared 1st stage of NTSE conducted by NCERT in 2016.
- Secured 3rd position among 250+ participating teams in "Case Study Competition" conducted by College in association with IIM-B.
- Member of National Service Scheme, NIT-Trichy.
- Represented ICE department in Power Lifting Competition in Annual Sports Fest of NIT-T.

PROJECTS

GURUGRAM REAL ESTATE EXPLORER | WEB APP

- Price Prediction Model | Recommendation System | Analytics Dashboard
- Platform for Home Buyers, Investors, Developers and Policy Makers.
 - Helps in exploring opportunities and pain points of the Real Estate Market.
 - Explore individual Sector of Gurugram through a dedicated Dashboard.
 - Provides a Price Prediction Engine and a Smart Property Recommendation System along with an Analytics Module and an Insights Dashboard to help explore with ease.
 - Gathered data from different Housing websites using Selenium and Beautiful Soup.
 - Used Bayesian optimized XGBoost Regressor for Price Prediction and Content - based Filtering for Recommendation System.

EXPERIENCE

EVOLVE | [DATA SCIENCE INTERN](#) | DATA ANALYTICS | APP OPTIMIZATION

1st, June 2021- 31st, July 2021

- Provided analytics and data-driven insights to Evolve — a startup providing solutions for mental health and self-care, through therapy modules.
- Improved flagship therapy service - 'Journeys' - through data-driven user insights.
- Increased traffic over therapy tools by more than 30%.
- Improved completion rate of therapy modules from mere 20% to 35%.
- Created 20+ dashboards for real-time monitoring of users using Google Studio.
- Helped make 10+ in-app feature changes and roll-out through data-driven insights.

CUDDLES FOUNDATION | RISK IDENTIFICATION AND MANAGEMENT INTERN

15th, March 2021- 15th, May 2021

- Led a team of 5 to develop a comprehensive 5-Step Risk Assessment Framework for India's only non-profit that helps children fight cancer with holistic nutrition.
- Developed Risk Assessment Framework can identify and resolve risks arising out of Operational, Technological, Financial, and Organizational issues.
- Surveyed all 6 departments of NGO to identify potential risk profiles.
- Provided repositories of potential risks for each department.
- Delivered holistic risk assessment and management workplace using Notion.

GROWTHMART | PRODUCT DEVELOPMENT INTERN

September 2020- November 2020

- Helped in developing a flagship product of GrowthMart — an aggregator platform managing and promoting quality freelancers.
- Product named - "Service Comparator" helps in creating comparison matrices for the different services used by freelancers during a project engagement.
- Product would help Clients to make informed buying decisions during project engagement.
- Product helped in improving project approval rates for freelancers by 15-25%.
- Conducted User Research; drafted PRD; managed Data Acquisition Process.
- Designed Product UI using Figma.
- Conducted Product Optimization Drive as per user validation-interview results.

POSITION OF RESPONSIBILITY

MARKETING MANAGER | PRAGYAN - NIT TRICHY

March 2020 – May 2022

SENIOR CONSULTANT | 180 DEGREES CONSULTING – NIT Trichy

August 2019 - May 2022