

PRANAV KHOT

<https://pranavkhot.vercel.app>

Email: pranavkhot.345@gmail.com

+91 99873 08886

EDUCATION

Thakur College of Science and Commerce, Mumbai
Master of Science in Information Technology

Expected Completion: May 2024
Current CGPA: 8.9/10

Thakur College of Science and Commerce, Mumbai
Bachelor of Science in Information Technology

07/19 – 05/22

- **Relevant coursework:** Applied Mathematics | Data Structures and Algorithms | Object-Oriented Programming,
- **Programming:** Machine Learning, Neural Networks, Deep Learning, Frontend Web Development

CGPA: 8.6/10

Prakash College, Mumbai
Higher Secondary Certificate

06/19

PROFESSIONAL EXPERIENCE AND RESEARCH

Space Design Lab India | *Intern- Research & Web Development*

09/21 – 09/22

- Researched with the R&D team changing the manufacturing process and finding the most popular and profitable products to promote in their online website.
- Helped them set up an E-commerce website to sell their furniture products.
- Integrated Google Analytics to analyze the traffic on their website.
- Created further funnels to understand the customer journey and improved the website to maximize customer journey competition and retention.

Enhancing Fetal Health Assessment with Predictive Machine Learning Using CatBoost

12/23

- Developed a robust model capable of predicting potential health issues in fetus with high accuracy, utilizing extensive datasets of prenatal records and health indicators.
- The paper is currently under review for presentation at Springer Nature's Computer Science conference, underscoring its potential impact and innovation in the field of medical informatics and AI.

KEY ACADEMIC PROJECTS

NLP based Sentiment Analysis of Twitter Data of India

06/23

- Developed a sentiment analysis model using advanced NLP techniques with attention-based models like BERT and GPT.
- Implemented data processing pipelines and model training strategies to handle large-scale data, ensuring high accuracy and efficiency in sentiment prediction.
- Technologies Used: Python, BERT, GPT, TensorFlow, Natural Language Processing (NLP), Data Analytics.

Dynamic Mobile Comparison Website

04/22

- Developed a website to compare mobiles dynamically based on different specifications.
- Integrated a comprehensive database of mobile specifications and user reviews, allowing for detailed comparisons and informed decision-making processes.
- Tech Stack: HTML, CSS, JavaScript, EJS, Express JS, Node JS, MongoDB, SendGrid Mail API, Google Authentication.

COURSES AND CERTIFICATIONS

- Introduction to Frontend Development by Coursera
- Beginners and Advanced Google Analytics.

TECHNICAL SKILLS

- **Programming Languages:** C, Python, Java, HTML, JavaScript
- **Databases:** NoSQL, MongoDB
- **Frameworks & Libraries:** React JS

EXTRACURRICULAR ACTIVITIES

- Participated in various Versova Beach Clean-up drives.