

# Mayank Pandey

DATA ANALYST · SOFTWARE ENGINEER · FULL STACK DEVELOPER · FREELANCER

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## About Me

Aspiring Data Analytics Professional with a tech-savvy mindset. Adept at leveraging software engineering and full stack development expertise to drive data insights and make informed decisions. Eager to take on challenging tasks, I thrive in constantly learning and implementing new methodologies. Fascinated by the worlds of cricket and cosmology. Let's unlock the power of data together.

## Work Experience

### Transit Pro

Bangalore, India

FULL STACK DEVELOPMENT INTERN

Jan 2022 - May 2022

- Developed logistics plan and Request For Quotation backend and frontend module for a logistics business, enabling clients to view available options in a specific area. Designed and implemented user history and details, allowing users to upload their own requests for quotations on specific routes.
- Designed and implemented user history and details, allowing users to upload their own requests for quotations on specific routes.
- Created user and client dashboards with a profile completion bar to enhance recommendations.
- Played a key role in building the company's first production-ready website from scratch, facilitating logistics operations across multiple routes in India.
- Tools and Technologies used: ReactJS, Redux, Node.js, Firebase, MongoDB, JSON Web Token

### Samsung R&D Institute India

Pune, India

RESEARCH INTERN (PRISM)

Oct 2021 - July 2022

- Designed and implemented a learning pipeline for automated hardware-aware DNN customization
- Tested inference time and accuracy on mobile devices like Samsung M31, OnePlus Nord, etc with reduction in inference time by 50% for ResNet50 and 20% for MobileNetV1 datasets with accuracy preserved
- Tools and Technologies used: Python, Keras, PyTorch, TensorFlow

### TextMover Labs

Mesa, AZ, USA

DEVELOPER INTERN

Nov. 2022 - May 2023

- Developed a model capable of being integrated into games to autonomously learn from user performance and game ethics, generating dynamic difficulty levels through procedural generation. Implemented Visual Dynamism, encompassing aspects such as look, feel, units, geography, and language, to enhance the user experience.
- Implemented Visual Dynamism, encompassing aspects such as look, feel, units, geography, and language, to enhance the user experience.
- Incorporated Behaviour Dynamism, including difficulty and complexity adjustments, to provide challenging game-play.
- Tools and Technologies used: C Sharp, R, Python

### Atomicat

Portugal

FREELANCER

April 2023 - PRESENT

- Played a key role as a developer in the project, working closely with a teammate to design and implement various features of the page builder website. We leveraged React for building the frontend components and implemented state management using Redux. Firebase was utilized for backend services such as authentication, database management, and hosting. Node.js was used for server-side functionalities, and Tailwind CSS facilitated responsive and intuitive UI design.

## Projects

### Whatsapp Clone

ReactJS, Node.js, Socket.io,

GCP, Material UI

CHAT WEB APPLICATION

Aug. 2021

- A MERN stack web app that works as a WhatsApp clone and can be used for real-time chatting. It uses Socket.io for real-time conversations with Node.js at its backend connected across its frontend that uses ReactJS framework.

### T20 Cricket Data Analysis

Python, Pandas, PowerBI,

MySQL

DATA ANALYTICS ON T20 CRICKET

Sep. 2022

- Created an end-to-end cricket data analytics project using web scraping, Python, Pandas, and Power BI.
- Extracted comprehensive match statistics, player metrics, and team rankings.
- Analyzed and visualized trends, player patterns, and team performance. Presented insights through interactive Power BI dashboards.
- Demonstrated proficiency in web scraping, data analysis, and visualization.

## Drowsiness Detection System

Python, Jupyter Notebook

ML MODEL DETECTING DROWSINESS OF DRIVER

Aug. 2022

- The objective of this project is to build a drowsiness detection system that will detect that a person's eyes are closed for a few seconds.
- This system will alert the driver when drowsiness is detected.
- Libraries Used- OpenCV, Tensorflow, Keras, Pygame

## Certifications

2022	<b>Problem Solving Intermediate</b> , Skill Certification Test	HackerRank
2022	<b>HacktoberFest</b> , by Digital Ocean	DSC, Google
2022	<b>Google Cloud Programme</b> , 30 days cloud training	DSC, Google
2023	<b>Data Analytics and Visualization</b> , Virtual Internship	Accenture India
2023	<b>Google Analytics</b> , Skill Certification	Google Digital Academy
2023	<b>Data Analytics Consulting</b> , Virtual Internship	KPMG India

## Skills

<b>Programming Languages</b>	C++(Proficient), Javascript, Python, LaTeX
<b>Web Development</b>	ReactJS, Express with Node.Js, HTML5, Sass, Redux
<b>Data Analytics</b>	Python (NumPy, Pandas, Matplotlib, Seaborn), SQL, Power BI, Tableau
<b>Data Visualization</b>	Power BI, Tableau, Matplotlib, Seaborn
<b>Machine Learning</b>	TensorFlow, Keras, Scikit-Learn
<b>Tools and Technologies</b>	Jupyter Notebook, Git/Github, Firebase, Data Visualization using NumPy, Pandas, ScikitLearn, Microsoft Excel
<b>DBMS</b>	MySQL, MongoDB

## Education

### MES College Of Engineering(Savitribai Phule Pune University)

Pune, India

B.E IN COMPUTER SCIENCE AND ENGINEERING

June 2019 - PRESENT

- C.G.P.A - 8.6/10

## Published Articles

### Dynamic Content Alteration Model For Generalized Use Cases

CIMS Journal

RESEARCHER & WRITER

Nov 2022 - May 2023

- This abstract discusses two related topics: dynamic content alteration for skill assessment and dynamic difficulty adjustment for VR games.
- Paper published at: <http://cims-journal.com/index.php/CN/article/view/923>