

Mohit Parmar

Software Engineer

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Summary

Results-oriented and highly motivated software engineer with a strong educational background and a passion for solving complex problems through innovative software solutions. Skilled in programming languages such as **Java, C++, and Python**, with a solid foundation in **data structures and algorithms**. Excellent problem-solving and analytical abilities, combined with strong communication and teamwork skills. Eager to apply my knowledge and contribute to the development of cutting-edge software applications as a fresher software engineer.

Skills

- Programming Languages: C, C++, Java, Python, JavaScript
- Databases: MySQL, MongoDB
- Containerization: Docker
- Visualization Tools: PowerBI
- Development Tools: Git and GitHub
- Cloud Services: Familiar with Amazon Web Services (AWS)
- Technologies: Android App Development
- Familiar IDE: Visual Studio, IntelliJ, PyCharm, Jupyter Notebook, Android Studio

Projects

[SimplifyMe : Content Summarization](#)

Sep 2023 – Present

- Developed and implemented a summary generator tool using **BART** (Bidirectional and Auto-Regressive Transformers) transformer model.
- Integrated pre-trained BART models into the application, fine-tuning parameters for optimal performance on specific summarization tasks, demonstrating a deep understanding of **transformer** architectures.
- Implemented a user-friendly interface, allowing users to easily input text and receive concise and coherent summaries, enhancing accessibility for individuals across various technical backgrounds.

[Attendance System using Face Recognition](#)

Aug 2023 – Sep 2023

- Designed and implemented an **Eigen Face Recognizer Model** to identify and recognize faces of students, eliminating the need for manual attendance marking by teachers.
- Conducted research and experimentation to fine-tune the Eigen Face Recognizer Model, achieving higher accuracy in **face detection and recognition** under various lighting and environmental conditions.

[Bikes Price Prediction](#)

Jul 2023 – Jul 2023

- Developed and implemented a machine learning model for predicting bike prices using Python and popular libraries such as **Pandas, NumPy, and Scikit-learn**
- Processed and cleaned a dataset sourced from Kaggle, involving thorough **data preprocessing** techniques to handle missing values, outliers, and feature engineering to enhance model performance.

- Integrated the machine learning model into an **Android Application**, providing an intuitive and user-friendly interface for users to input bike features and receive accurate price predictions.

Automated Time Table Scheduler

Sep 2022 – Apr 2023

- Utilized **algorithms and data structures** to efficiently handle constraints such as room availability, teacher preferences, and class timings.
- Designed and implemented a user-friendly interface allowing administrators to input constraints and preferences easily.
- Presented the project to the educational institution's management, showcasing the benefits and potential cost savings achieved through automation.
- Collaborated with stakeholders, including teachers and administrators, to gather requirements and fine-tune the scheduling algorithm to meet their specific needs.

School App

Jul 2022 – Sep 2022

- Designed and implemented a user-friendly interface to store and manage student, parent, and teacher information, ensuring data integrity and security.
- Developed a **desktop application** for teachers, enabling them to easily upload and manage student performance data in various exams.
- Created an **Android app** for parents, allowing them to access and view their children's academic performance and progress.

Education

Rajiv Gandhi Institute of Technology 2020 – 2024
Bachelors in Computer Engineering | CGPA: 8.5 / 10

Mithibai College 2018 - 2020
HSC Science | 86.92%

Certificates

- [Problem Solving](#) - HackerRank
- [Software Engineer](#) – HackerRank
- [Java](#) - HackerRank
- [Python](#) – HackerRank
- [JavaScript](#) - HackerRank
- [SQL](#) – HackerRank
- [Rest API](#) – HackerRank

Achievements

LeetCode

Solved 570+ questions covering different topics. 200 + Easy Question, 290+ Medium Question and 60+ Hard Questions

CoderTine

Secured the 3rd rank in a competitive coding competition organized by the college, showcasing proficiency in **problem-solving** and algorithmic skills. Demonstrated excellence in coding by successfully tackling challenging problems, highlighting a strong aptitude for logical thinking and competitive programming.