HEMANT RAJ

Bachelor of Technology Electronics and Communication Engineering

Purnia, Bihar-854303

+91 8877632187

hemantraj587@gmail.com

https://www.linkedin.com/in/hemant-raj087

https://github.com/hemant087

EXPERIENCE

Intern-Frontend Development

TopVersity LLP

iii 12/2021 - 02/2022 ♀ Maharashtra, India

Fixed critical errors and bugs in the project and enhanced the database structure
that increased the productivity by 8%. Also, created a responsive webpage for the
edu-web using HTML and CSS, which is now showcased on the website
[www.topversity.in].

Graduate Trainee

Indian Railways

 Received training in the signal section under the guidance of a senior sectional engineer.

VOLUNTEERING

GDSC Lead

Google Developers Student Club

- · Secured GDSC Lead position after passing test and interview successfully.
- Provided mentorship to 200+ students in various domains, such as Google Cloud, TensorFlow, Machine Learning, Career, and more.
- Organized various event in college and Participated also in various event.

Founding member

PCE, Purnea Club Association

- Deigned Structure of College Club from Scratch with 4 members under the guidance of college faculty.
- Designed Club Logo, Wrote Rules Book for the club, Given Presentations.
- Assisted 30+ students with various issues, such as website development, funding acquisition, placement opportunities, membership enrollment, book publication, and social media management.
- . Served as a leading member of Tech Club in college.

ACHIEVEMENTS

- Solved 100+ Data Structures and Algorithms problems on LeetCode.
- Solved 500+ programming questions on HackerRank, earning **4 stars** in C/C++ and 3 stars in Python.
- Participated in various technical events and hackathons, such as Hacktuber, MLH, Kaggle, etc.
- Achieved Elite certificate in DBMS from IIT Kharagpur through NPTEL.

EDUCATION

B.Tech in Electronics and Communication Engineering

Purnea College of Engineering, (Gov. of Bihar)

= 2020 - 2024

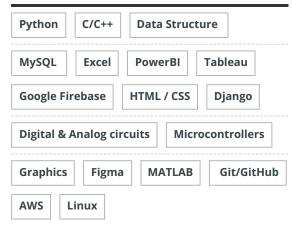
- Knowledge of semiconductor, VLSI Design, Chip Design
- Understanding of Embedded system and microprocessor
- Knowledge of Analog and digital circuits & design methodology

BS Degree in Data Science and Applications

Indian Institute of Technology, Madras (IITM)

- · Achieved 94% score in Python programming course.
- Developed a strong foundation in Statistics, Probability, Linear Algebra, and Calculus.

TECH STACK



PROJECTS

Market Segmentation Analysis:

https://github.com/hemant087/ML Project

- Performed comprehensive market segmentation analysis for a company using clustering algorithms (e.g., k-means) on customer data.
- Identified distinct customer segments based on demographics and purchase behavior using Python (NumPy, pandas, scikit-learn).
- Utilized data visualization libraries (Matplotlib, Seaborn) to present analysis results and deliver actionable insights for targeted marketing strategies.

Social Media Sentiment Analysis:

https://github.com/hemant087/ML_Project

- Objective: Conducted sentiment analysis on social media data to understand customer opinions and brand perception.
- Approach: Utilized natural language processing (NLP) techniques and sentiment lexicons to classify social media posts as positive, negative, or neutral.
- Analyzed data using Python (NLTK, Text Blob) and data visualization libraries.

Spam mail prediction:

https://github.com/hemant087/ML Project

 Developed and applied a data-driven method to detect spam emails by performing data preprocessing, splitting, and training a **Logistic Regression** model using Python, NumPy, Pandas, and Jupyter Notebook; achieved a 95% accuracy rate in spam classification.

College Club Website

https://github.com/hemant087/PCE_Club

 Collaborated with 3 club members to develop admin page, student login, data fetching APIs, and digital library using HTML, CSS, bootstrap, and Django.

CCTV Based Auto Attendance System

- Developed an Auto Attendance System using FaceNet and OpenCV models with an impressive 94% accuracy in face recognition.
- Created user and admin dashboards with Django for easy management.
- Successfully deployed the system on a Raspberry Pi 3B+ with a camera module for seamless monitoring and attendance tracking.