Soumya Dhakad

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EDUCATION

Parul University — Vadodara, Gujarat
Bachelor of Computer Science — President of University Programming Club — *Sept. 2022 – May 2026*

Shree Dalauda Public School — Dalauda, Madhya Pradesh
Major: Physics, Chemistry, Mathematics (PCM) — 91% (CBSE, School Topper) — *June 2020 – April 2022*

PROJECTS

MyHTTPserver [link] | *C++, HTTP/1.1* — Jul 2024 – Aug 2024
- Developed HTTP server in C++ with support for HTTP/1.1 protocol
- Implemented core request handling for GET, POST, PUT, and DELETE methods
- Optimized file-serving functionality from a local directory

Radiant Future AI [link] | *Python, Machine Learning, RFR, JavaScript* — Dec 2024 – Jan 2025
- Created a machine learning pipeline that increased prediction accuracy by 15%
- Implemented Random Forest Regression with efficient data preprocessing, achieving an 81% prediction accuracy
- Integrated real-time weather data and pricing analysis through APIs to enrich model inputs
- Developed ROI analysis dashboard using Javascript for visualizations to provide energy savings insights

Twitter Sentiment Analysis [link] | *Python, NLP, RNN* — Oct 2024 – Nov 2024
- Built a multi-layer Bidirectional LSTM model with 83% accuracy on 1.5M+ tweets
- Applied advanced NLP preprocessing with NLTK for text normalization
- Optimized performance using hyperparameter tuning and model evaluation metrics
- Achieved high precision (0.82), recall (0.81) and f1-score (0.82), capturing complex contextual dependencies

Task Management System [link] | *Python, Flask, MySQL* — Jun 2024 – Jul 2024
- Developed a full-stack task management system to create, manage and organize tasks effectively
- Included features like task creation, assignment, deadlines, status tracking, and more
- Developed responsive user interface using HTML/CSS/JavaScript

ACHIEVEMENTS

Codeforces [link]: Top 5% in India (Global Rank 409 in Codeforces Round 1009)
Codechef [link]: 1681 rated max (Global Rank 214 in Starters 107)
Leetcode [link]: 1854 rated (Global Rank 1196 in Weekly Contest 381)
Meta Hacker Cup [link]: World rank 2575 in Round 1 | World rank 3418 in Round 2)
PU Hackverse: Secured 5th position in National-Level Hackathon out of 500+ teams
Solved more than 1000 Coding Problems across various Programming Platforms

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, JavaScript, HTML/CSS
Technologies: Flask, Django, Tensorflow, Keras, Scikit-learn, Pandas, NumPy
Machine Learning: Supervised & Unsupervised learning, Neural Networks, Natural Language Processing
CS Fundamentals: Object-Oriented Programming(OOPs), DBMS, Computer Networks, Operating System
Coursework: Data Structures and Algorithms, Design & Analysis of Algorithms, Software Design, Data Analytics & Data Visualization

CO-CURRICULAR ACTIVITIES

Hackathon Director — Jul 2023
Parul Let's Hack — *Parul University*
- Oversaw the overall execution of a hackathon with a prize pool of Rs 2 lakh

Head of Result/Jury Committee — Mar 2024
MyOnsite Healthcare Hackathon | PU Code Hackathon 1.0 — *Parul University*
- Supervised the judgment process on more than 300 projects combined