Prathamesh Bawankar

Bachelor of Technology
in Chemical Engineering
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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	8.0	2021-2025
Senior Secondary	Maharashtra State Board of Secondary Education	88%	2020
Secondary	Central Board of Secondary Education	94 %	2018

EXPERIENCE

- **Full Stack Web Development) Intern** *Nov 2023 - Jan 2024*
  HawksCode Remote
  - Language learned: HTML, CSS, React JS, Node JS
  - Applied knowledge through practical projects that simulate real-world scenarios, Building a full-stack application, from front-end design to back-end server implementation.
- **Chanakya Fellowship** *sept 2023*
  IIT Bombay
  - Development of virtual sensors for real-time estimation of soil moisture content for precision agriculture
  - Applied knowledge of Machine Learning, developing feedback system for modern agriculture.

PROJECTS

- **Netflix Clone** *Jan 2024*
  Self learning project
  - Netflix clone project, utilizing modern web development technologies to mimic the user interface and functionality of the popular streaming platform
  Softwares Used: HTML, CSS, JavaScript. **Technology/Framework:** Node.js, React.js
- **Stock Prediction Website** *Jan 2024 - April 2024*
  Course Project
  - Stock Trend Prediction Web Application in Python takes previous years of data and analyses the trend to price future prices.
  Technologies Used: Core Python (Machine Learning) **Database Used:** Python libraries yfinance. **IDE used:** Jupyter. Tools Framework Used: Pandas, Numpy.
- **Metro assistance** *Mar 2022 - Apr 2023*
  Course Project
  - Java program to facilitate metro assistance for Delhi Metro commuters. Implemented algorithms like Dijkstra, breadth-first search, and depth-first search to determine the shortest route and fare between source and destination stations, providing commuters with optimal navigation and fare calculation.
  - **Technology used:** Graph and Heap data structures

TECHNICAL SKILLS

- **Programming Languages**: C/C++, HTML, CSS, SQL, JavaScript, Java, Python, OOPs
- **Softwares:**: LAMMPS LIGHTS,MATLAB, DWSIM, Microsoft Office, Microsoft Excel, Tinkercad
- **Frameworks, Libraries Tools :**: AWS (S3, EC2, SQS), Bootstrap, DBMS, Docker, Git, GitHub, Keras, Matplotlib,MongoDB, Node.JS, NumPy, OpenCV, Pandas, SciPy, SK-Learn, SQL, TensorFlow

KEY COURSES TAKEN

- **CSE & Maths**: Introduction to Computing Algorithm & Data Structure,Calculus, linear algebra, statistics, Basic JAVA, Machine Learning Applications for Process Industries, Introduction to Artificial Intelligence
- **Core**: Thermodynamics, Heat and Mass Transfer(LAB), Fluid Mechnanics(LAB), Seperation process(LAB), Chemical reaction engineering, Process Control, Machine Learning, Polymer Technology, Particle Technology, Chemical engineering softwares(MATLAB,DWSIM,ASPEN) Seminar I II

POSITIONS OF RESPONSIBILITY

- **Core team** ,E-cell, IIT Ropar *Apr. 2022 - Apr. 2025*
- **Secretary**,Mess, IIT Ropar *Apr. 2022 - Apr. 2023*
- **Coordinator**,Aeromodelling club , IIT Ropar *Apr. 2022 - Apr. 2023*
- **Student Representative**,Career Development and Placement Cell(CDPC), IIT Ropar *Apr. 2022 - Apr. 2023*

MISCELLANEOUS

- **Inter IIT**, Part of inter IIT contingent, leading football *2022*
- **codeforces**,beginner *2023*
- **Software engineering simulation**,JPMorgan *2024*
- **NCC**,Contingent member of NCC *2021-2022-2023*
- **Advitiya Technical Fest IIT ROPAR**,workshop core team member *2023*