






Abhinav Bagalkot

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EDUCATION

RV College of Engineering, Bengaluru <i>B.E. Information Science and Engineering</i>	August 2025 <i>CGPA: 9.03</i>
Delhi Public School, Ahmedabad <i>Class XII</i>	March 2021 <i>94%</i>
Delhi Public School, Ahmedabad <i>Class X</i>	March 2019 <i>95.4%</i>

COURSEWORK

Courses: Data Structures & Algorithms, Object-Oriented Programming, Computer Networking, Operating Systems

SKILLS

Languages: C++, Python, Java, MySQL **Libraries and Frameworks:** React, FastAPI, Express.js

PROJECTS

FastAPI-Enhanced Blood Bank Solutions | *React, FastAPI*

- *Donor and Hospital Data:* The system stores and manages information about donors and hospitals. Hospital view for requesting and catering blood units, and staff view to manage donor information.
- *Blood Unit Requests:* Developed a system for donors to request blood units, which are then displayed to hospitals and managed by staff.
- The system tackles the problem of blood shortages by enabling real-time tracking of blood stock and efficient allocation of blood supplies.

Food Calorie Estimator | *ResNet50, Flask*

- *Image Classification:* Fine-tuned a ResNet50 model to classify food images into different food items.
- *Nutrition Information Retrieval:* Nutrition information for each classified food item is fetched from a CSV file. Flask framework to display the nutritional information of the classified food.
- The food calorie estimator helps users effortlessly track the nutritional information of foods, supporting them in achieving their health goals.

Faculty Achievement Suite | *React, Express*

- *Publication Management:* Faculty members can add information about their research papers and courses, which is then stored in the database.
- *Reporting Functionality:* The system provides an option for faculty members to generate reports giving details of their published work.
- The faculty competence system helps faculties organize their publications efficiently and track their academic contributions.

POSITIONS OF RESPONSIBILITY

Student Placement Coordinator | *SPC*

Serving as the Student Placement Coordinator (SPC), and my roles include maintaining class databases, notifying classmates of recruitment drives, and assisting companies in conducting on-campus interviews.