

POOJA HEGDE

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SUMMARY

MCA student with strong skills in full-stack web development and database management. Proficient in Python, Java, C++, SQL, and modern web technologies with project experience in Blood Bank Management, Equipment Rental, and Algorithm Visualizer. Certified in Python, Java, Linux, and Data Structures.

PROJECTS

- Blood Bank Management System: Minor Project** August 2023
 - Technologies Used:** HTML, CSS, JS, PHP, MYSQL
 - Description:**
 - A **web-based system** that streamlines the management of **blood donations, requests, and inventory** across multiple hospitals.
 - Centralized and automated database** improved accuracy in **donor-recipient matching** and reduced **response time** by **35%**.
 - Improved overall **efficiency of blood bank operations** while providing patients with faster access to **life-saving resources**.
- Rental Equipment Management System: Major Project.** January 2023
 - Technologies Used:** HTML, CSS, JS, Bootstrap, PHP, MYSQL.
 - Description:**
 - A **web-based solution** that optimizes the process of **renting and tracking equipment** across multiple categories.
 - Implemented an **Automated booking and return system** that **cut manual effort by 40%**, reduced errors, and boosted overall efficiency.
- Algorithm Visualizer (Algo Viz):** April 2025
 - Technologies Used:** HTML, CSS, JS, Nodejs, Express, MYSQL.
 - Description:**
 - A **web-based application** that helps users **visualize algorithms** such as **sorting and searching** interactively.
 - Graphical animations** demonstrate each step of the algorithm, improving **conceptual understanding** for students and learners.

Portfolio: <https://poojaportfolio2025.netlify.app/>

EDUCATION

Dayananda Sagar College of Arts, Science and Commerce, Bangalore, Karnataka, India
Master of Computer Applications (MCA) | GPA: 7.61 CGPA February 2024 - October 2025(Expected)

JMJ BCA College, Sirsi, Karnataka, India | Karnataka University Dharwad
Bachelor of Computer Applications (BCA) | GPA: 8.1 CGPA September 2020 - October 2023

MES PU College, Sirsi, Karnataka, India | Government of Karnataka's Department of Pre-University Education
PUC (12th Grade) - Science | Percentage: 70.5% July 2018 - July 2020

Alva's High School, Moodbidri, Karnataka, India | Karnataka Secondary Education Examination Board (KSEEB)
SSLC (10th Grade) | Percentage: 90.24% July 2017- April 2018

TECHNICAL SKILLS

- WEB DEVELOPMENT TECHNOLOGIES:** HTML, CSS, JavaScript, MySQL, Bootstrap
- DATABASE QUERY LANGUAGE:** SQL
- PROGRAMMING LANGUAGES:** Python, C, C++, JAVA
- DEVELOPMENT TOOLS AND VERSION CONTROL:** Git, GitHub, Linux, Visual Studio Code
- SOFT SKILLS:** Strong verbal and written communication skills in English and Kannada, Teamwork, and Effective problem-solving skills

CERTIFICATIONS

- Programming in Python, Meta July 2025
- Essentials of Cloud Computing, Infosys Springboard January 2025
- Linux for Beginners, Infosys Springboard October 2024
- Java Foundations, Oracle Academy May 2024
- Data Structures and Algorithms, Infosys Springboard April 2024