

views\dashboard.py

```

1  import streamlit as st
2  from database import fetch_all_students, find_students_by_field,
   get_birthdays_by_month
3  from datetime import datetime
4
5  def format_student_card(student):
6      st.markdown(f"""
7          **{student['Name']}** ({{student['Gender']}})
8          📖 Roll No: {student['R.No']}, Class {student['Class']} -
   {student['Section']}
9          👤 {{student['FatherName']}} | 👤 {{student['MotherName']}}
10         🎂 DOB: {student['DOB']}
11         📞 Contact: `{student['ContactNo']}`
12         """)
13
14  def student_dashboard():
15      st.title("📋 Student Dashboard")
16
17      students = fetch_all_students()
18      search_name = st.text_input("🔍 Search by Name")
19      gender_filter = st.selectbox("Filter by Gender", ["All", "Male",
   "Female"])
20      dob_filter = st.selectbox("🎂 Birthday Month", ["All"] + [f"{m:02}" for
   m in range(1, 13)])
21
22      filtered = students
23
24      if search_name:
25          filtered = find_students_by_field("Name", search_name)
26
27      if gender_filter != "All":
28          filtered = [s for s in filtered if s.get("Gender", "").lower() ==
   gender_filter.lower()]
29
30      if dob_filter != "All":
31          filtered = [s for s in filtered if f"-{dob_filter}-" in
   s.get("DOB", "")]
32
33      st.subheader(f"Showing {len(filtered)} students")
34      for student in filtered:
35          format_student_card(student)
36          st.markdown("----")
37
38      if st.button("Show Birthday Summary"):

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39     month_today = datetime.now().strftime("%m")
40     bday_students = get_birthdays_by_month(month_today)
41     st.success(f"{len(bday_students)} students have birthdays this
month 🎉")
42
43
```