

# APURVA

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## EDUCATION

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### INTERNET PROGRAMMING

TAV College, Montreal, QC

September 2021 - Present

### ELECTRONICS AND COMMUNICATIONS ENGINEERING

Lovely Professional University, Punjab, India

August 2010 - June 2014

## SKILLS

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### PROGRAMMING

JavaScript(ES6), Python, CSS3, HTML5

### LIBRARIES/FRAMEWORKS

Node JS, React JS, Redux, JQuery  
Express, Bootstrap, Material UI

### DATABASE

MongoDB, MS SQL Server, T-SQL Stored Procedure, Scalar-Function

### TOOLS/PLATFORMS

Git, VS Code, Atom, PyCharm CE, Postman

## PROJECTS

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**Hospital Management System** | Link to project: <https://hms-7lax.onrender.com/>

**MongoDB, Express, React, Node js, MATERIAL UI**

- Designed and developed the **responsive UI** using **React JS** and **Material UI** and managed their states implementing **Redux**.
- Constructed **back-end** employing **Node JS** and **Express JS** along with **Postman** for testing and iterating the **APIs**.
- Implemented libraries such as **jsonwebtoken** for secure user authentication process and **bcrypt** to hash the password entered. **Test Case to login:** Employee Id: 123, Password: test123.
- Created the **MongoDB Schema** with the aid of **Mongoose ORM** to render the app, faster access and easy data manipulation.
- The idea:
  - The accessibility of the patients to book an appointment from the portal.
  - The doctors can login, and can further check/reschedule the scheduled appointment.

**BookArena** | Link to project: <https://bookarena-n44l.onrender.com/>

PYTHON, FLASK, HTML, CSS

- Designed and developed the app UI by using **HTML5** and **CSS3** for library.
- Used **SQLALCHEMY\_DATABASE\_URI** as a connection string to tell **SQLAlchemy** what database to connect to. Further with **db.init\_app**, initialized the application for the use of database setup.
- Created different **routes** integrating **Python** and **Flask**:
  - to initialize database before using the app.
  - to go to the home page.
  - to add the book information to the database.
  - to get all the books from database for library purpose.
  - to retrieve the books as per the book name, genre, and author name.
  - One can filter the books based on the price range.

**WeDesign** | Link to project: <https://we-design-c35gp73tg-persistent-a.vercel.app/>

HTML, CSS, JAVASCRIPT

- Developed a **responsive** static website for a website designing organisation by using **HTML**, **JavaScript** and **CSS**.
- As per the organisation requirements, employed **DOM** manipulation for the about and the services section of the website, enabling **sliding tab** and **carousel** effect respectively.
- Created the project section of the website with the help of **flexbox**, hence displaying some of the projects organisation dealt with so far.

**Portfolio** | Link to project: <https://apurva.vercel.app/>

REACT, HTML, CSS

- Designed and developed a single page react application using React, HTML, and CSS as a portfolio.
- To style the application for all the viewports, I used CSS.

**Course Registration** | MS SQL SERVER, TSQL, Stored procedures, Scalar functions

- Built a class project individually using **MS SQL SERVER** and **TSQL** to design and **normalize** the database.
- Wrote **stored procedures** and **scalar functions** for frequently used queries such as available courses and number of failed students respectively.
- Tested the **anomalies** and **data redundancies** using **T-SQL Queries**.

**Minesweeper** | PYTHON

- Developed a terminal based **Minesweeper** game using **Python**.
- The game development involved the use of **class**, **objects**, **matrix construction** using **arrays**.

## EXPERIENCE

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**Samast Technologies Private Limited, Gurgaon, India**

**Associate – Fulfillment**

Dec, 2017 – June, 2019

- Dealt with customers in resolving issues they faced while using the app, providing 100% customer satisfaction.
- Worked with teams in developing the front-end user interface for building a user friendly application.