Rajan Prajapati

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Education

Parvatibai Genba Moze College of Engineering — SPPU University *2020 - 2024*
Bachelor of Engineering in Computer Engineering ***CGPA:** 7.8/10.0*

HSC, Maharashtra State Board *2019 - 2020*
Utkarsha Madhyamik Vidyalaya And Junior College, Virar(W) ***Percentage:** 73.2%*

SSC, Maharashtra State Board *2017 - 2018*
Annasaheb Vartak Smarak Vidyamandir School, Virar(E) ***Percentage:** 85.4%*

Skills

Programming Languages: C/C++, Python, Java
Web Technologies: HTML, CSS, JavaScript, Bootstrap
Tools: Git, LaTeX, Visual Studio Code
Database: MySQL, MongoDB
Soft Skills: Productivity, Logical Reasoning, Teamwork

Projects

1. ATM System | C++, OOP Concepts **[GitHub Link]**
- Constructed a C++ ATM app for 1,000+ users, enhancing banking efficiency with **balance check, cash withdrawal, user details, and mobile updates**.
- Implemented secure user authentication with account numbers and PINs, ensuring the safety of features for 1,000+ users.
- Employed object-oriented programming to create a robust ATM system, reducing system errors by 50% through encapsulated data and modular functions.
- Crafted a user-friendly menu interface, decreasing transaction time by 60%.

2. Color Picker Extension | HTML, CSS, JavaScript **[GitHub Link]**
- Built a Chrome extension with HTML, CSS, and JavaScript, enhancing color selection efficiency for over 1,000+ users.
- Designed the user interface for the extension, leading to a 95% enhancement in user experience and precision in color selection.
- Formulated **functionality to view a history of selected colors** and perform actions such as copying or clearing them with a single click, enhancing user productivity by 80%.
- Thoroughly tested, debugged, and published the extension to the Chrome Web Store, utilized by 5-6 friend groups, showcasing web development and Chrome extension skills.

3. AI Assistant (ASTRA) | Python **[GitHub Link]**
- **Implemented voice interaction**: Enhanced user engagement with text-to-speech and voice recognition, improving accuracy by 85%.
- **Developed email functionality**: Automated email sending with `smtplib`, increasing communication efficiency by 75%.
- **Integrated multimedia controls**: Enabled song playback with `pywhatkit` and screenshot capturing with `pyautogui`, streamlining tasks by 80%.
- **Added system utilities**: Incorporated CPU and battery status updates, enhancing system monitoring by 70%.

Certifications

- Advanced C++ - SimpliLearn | SkillUp **Certificate**
- Excellence in Data Structure And Algorithm - YHills **Certificate**
- Python Beginners - Yonity **Certificate**
- HTML, CSS, And Bootstrap - Udemy **Certificate**

Achievements

- Consistently achieved more than 7.6 + CGPA every year in engineering.
- Solved 100+ problems on GeeksforGeeks and LeetCode.
- Completed all SoloLearn tutorials and ranked in Jupiter League leaderboard.

Relevant Coursework

Computer Science: Data Structures and Algorithms, Database Management System, Object Oriented Programming, Blockchain Technology, Artificial Intelligence, Operating System, Computer Networking.

Extracurricular

- Proficient in installing custom ROMs, rooting, and modules on mobile devices, expanding software capabilities.
- Led BGMI gaming competition as Team Leader, showcasing strategic planning, leadership, and effective listening.