

HARMANPREET KAUR

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Education

Indira Gandhi Delhi Technical University For Women

Aug. 2022 – May 2026

Bachelor of Technology in Computer Science

CGPA: 8.5

S.S. Mota Singh Sr. Sec. Model School

April. 2020 – May 2022




PCM with computer science

Percentage: 91%

Technical Skills

- | | | | |
|-------------------|------------|--------------|-----------|
| • Data Structures | • React.js | • JavaScript | • SQL |
| • Node.js | • C++ | • Python | • MongoDB |

Projects

- **CityVibes** 
 - Developed a web application to provide an interactive exploration of both ancient and modern cities of India.
 - Utilized 'create-react-app' and 'react-google-maps' library for seamless integration of Google Maps API with React.
 - Implemented **interactive markers** on the map, allowing users to click on them and view the state in which the city is located and the population of the city.
 - Enhanced the map appearance by **changing the background color**, creating a visually appealing and cohesive design.
- **Adventure Leap** 
 - Incorporated **Kaboom.JS**, a game development library of JavaScript used for making very straightforward 2-D games.
 - Crafted a Mario-inspired RPG platform game, with **three interactive levels**, obstacles, and a captivating game theme.
 - Created **player controls** such as moving forward, backward, and jumping, enemy behavior such as killing the character, and game mechanics such as collisions to enhance the overall game play.
 - Incorporated **different visual and auditory elements** on all the three levels.
- **MotiveWave Bot** 
 - Developed a WhatsApp bot using the **whatsapp-web.js** library that inspires and motivates users.
 - Defined features such as suggesting motivational songs, sharing inspirational quotes, and sending encouraging pictures with messages.
 - Utilized Node.js and whatsapp-web.js to establish communication with the WhatsApp Web interface.

Achievements

- Secured position among **Top 30 out of 180+ participating teams** in the internal round of the **Smart India Hackathon**.
- Achieved **Top 2% rank among 16,579 participants** in NPTEL Joy of Computing using Python Certification.
- Demonstrated **leadership** as an Associate by **overseeing a team of five dedicated individuals**, coordinating and delegating tasks in PR team of Aarohan - literary fest of IGDTUW.

Position of Responsibilities

- Member of PR Team of Amazon Web Services (AWS) Cloud Club promoting events and maintaining the social media presence of the club over various platforms
- Associate and an member of Organizing committee of Aarohan- The literary fest of IGDTUW.
- Developer at Celestial Biscuit IGDTUW, building robust solutions for everyday problems

Certifications

- NPTEL - Joy of Computing Using Python
- Amazon Web Services - Certified Cloud Practioner