JOSHUA JOHNSON

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PERSONAL PROFILE

I am a passionate B.Tech Computer Science student with experience in hackathons and game development, showcasing my teamwork and creative problem-solving under pressure. Skilled in Python, C, SQL, Unity, and Blender, with basic knowledge of HTML and CSS. I enjoy gaming and music, which fuel my creativity. I look forward to leveraging my skills and passion for innovation to make a meaningful impact.

ACADEMIC CREDENTIALS

Adi Shankara Institute of Engineering & Technology, Ernakulam

Bachelor of Technology, Computer Science and Engineering, 7.0 CGPA, May 2025

Little Hearts School, North Paravur

HSE,CBSE 85%, Mar 2021

TECHNICAL AREAS OF INTEREST

- **Technical Skills**: Python, Java, C, HTML, SQL
- **Others**: Arduino, ESP32, Unity

CERTIFICATIONS AND VALUE-ADDED COURSES

- NPTEL – Deep Learning IIT Ropar
- Infosys Foundation Finishing School of Employability

INTERNSHIP EXPERIENCE

1. FACEIN Technologies Pvt Ltd, July 2024
   - Machine Learning
2. TiltEdu, May 2023
   - Game Development using Unity and Blender
3. Techmaghi, Kalamassery, September 2022
   - Android App Development

ACADEMIC PROJECTS

1. **SWheels – Smart Automated Wheelchair (Ongoing)**
   A cutting-edge smart wheelchair designed for individuals with partial or complete paralysis. SWheels integrates voice control, joystick navigation, and autonomous travel from point A to point B using facial awareness and obstacle detection. Its advanced incline-lock mechanism ensures safety during uphill or downhill movement, with automatic speed adjustments. Additional features under development include obstacle avoidance, a dash cam for monitoring, and a streamlined autopilot mode.

2. **Posture Pro**

   A smart posture correction device powered by a microcontroller, designed to monitor real-time posture and provide corrective feedback through haptic vibrations. The device encourages better spinal alignment, helping users maintain healthy posture habits. It includes advanced features such as step detection to track movement and Wi-Fi connectivity for seamless data transfer, enabling real-time monitoring and analysis. This innovative solution is aimed at improving user comfort and promoting long-term musculoskeletal health.

SEMINARS AND PAPER PRESENTATIONS

A Deep Learning-Based Car Accident Detection Framework Using Edge and Cloud Computing

PERSONAL TRAITS

- Hard working
- Problem solving
- Time management
- Teamwork
- Collaborative
- Quick Learning
- Communication

CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES

- **TECH EVENTS**
  - Gameathon 6.0 at Jyothi Institute of Technology, Banglore, 2024
  - Hosted Valorant Championships League during Brahma (ASIET), 2024
  - Participated in WebCraft Mini Hackathon
  - Gameathon 2k23 at Adi Shankara Institute of Engineering and Technology, Kalady, 2023
- Membership in TinkerHub, HackClub, IEDC, IEEE – ASIET, Kalady

HOBBIES AND INTERESTS

- Badminton
- Listening to music
- Gaming
- Travelling
- Gym

REFERENCES

References are available upon request.