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Shelvaaathithyan V.K

Career Objective

Aspiring computer science professional with strong foundational knowledge in data structures, machine learning, and IoT. Passionate about solving real-world problems using innovative technologies. Seeking a challenging role to apply and expand technical expertise.

Education

B.E CSE AI & ML , PSG College of Technology <i>CGPA: 7.96</i>	<i>Pursuing</i>
Diploma in Computer Engineering , PSG Polytechnic College <i>Percentage: 92.20%</i>	<i>Completed in 2024</i>
Schooling , SNS Academy <i>10th Percentage: 73.6%</i>	<i>Completed in 2021</i>

Technical Skills

Languages: Java Programming
Database: MySQL, MongoDB (Intermediate), Firebase
Technology: Machine Learning, Internet of Things, Web Technology
Tools: Power BI, Android Studio, MIT App Inventor, Blender, Photopea, Canva
Programming Platforms: LeetCode – 37 problems solved, HackerRank – 40+ problems solved

Area of Interest

- Data Structures and Algorithms
- Database Management Systems
- Operating Systems

Experience

- **KitKat Software Technologies**, Coimbatore *July 2022*
Completed a 7-day internship in Front-End Web Development. Gained hands-on experience in building responsive user interfaces and understanding client-side development practices.
- **Freelancer League**, Coimbatore *May–June 2023*
Completed a 28-day internship in App Development. Worked on real-world application flows, design logic, and practical app implementation under guidance.

Projects

- **Inventory Management App** *2023–2024*
Developed an Android application using Android Studio and Firebase to manage inventory with real-time database synchronization.
- **Online Quiz App** *2017–2018*
Built a quiz app using MIT App Inventor with user interaction and scoring functionality.

- **Cricket Scoreboard** 2024–2025
Created a dynamic scoreboard dashboard using Power BI for visual cricket analytics.
- **Pokemon: Mega Gengar 3D Model** 2021–2022
Designed and rendered a detailed 3D model using Blender to develop 3D modeling skills.
- **ApartiBot** 2023–2024
Automated delivery of grocery items in apartment flats using Raspberry Pi and the Design Thinking process.
- **Smart Dustbin** 2017–2018
Developed an Arduino-based smart dustbin using ultrasonic sensors to automate waste disposal.
- **Advanced Home Security Device** 2022–2023
Built an IoT-based security system using ESP8266 for motion detection and real-time alerts.
- **Smart Snacky** 2017–2018
Designed a smart vending machine prototype using Raspberry Pi and IoT to promote student participation in educational institutions.

Achievements

- Awarded “Best Performer” during Diploma program (2021–2024) for consistent academic excellence and project contributions.
- **1st Place Winner** at State Level Project Expo in Madurai for innovative hardware/software integration.
- **7th Place** at National Level Project Expo, Delhi, for presenting a technical solution in IoT-based automation.
- Received **Rs. 10,000 Grant** from IWMA, PSG College of Technology, for an impactful environmental tech project.
- Recognized with “Best Project Award” during Diploma for a functional and scalable prototype in smart systems.
- **1st Prize** at Thulir Expo, SNS College of Engineering, in the innovation category.
- **2nd Prize** at Sharp Expo, SNS College of Technology, for excellence in project design and implementation.
- **Won 1st Prize** in the event organized as part of THIRAN 2025, an Intra-Collegiate Technical Symposium by the Computer Applications Association, PSG College of Technology.
- Secured **1st Place** in the event SWAPTICS during Infinity 2k25, conducted by the Department of Applied Mathematics and Computational Sciences, PSG College of Technology.
- Honored with the title **Best Interactor** by the Computer Science and Engineering Association for the event VISION 2025, PSG College of Technology, on **10-02-2024**.
- **Won 1st Prize** in the event Paper Presentation at NOVA-2023, organized by the Department of Mechanical Engineering, SNS College of Engineering, on **24-02-2023**.
- **Won Ideathon-Hackathon** conducted by SNS Institutions for the project *Smart Sanaky* under the Smart City domain. Recognized as a product-level innovation and marked as market-ready.

Special Mention

Token of Appreciation

Awarded a foreign educational trip to Singapore (2017) as a token of appreciation for winning the Ideathon-Hackathon. Visited National University of Singapore (NUS), Nanyang Technological University (NTU), Curtin University, and Accenture Liquid Studio for academic and industry exposure.

Project Leadership

Successfully led multiple academic and innovation-driven projects, including Ideathon-Hackathon winning entries and Diploma final year projects, showcasing leadership, collaboration, and execution skills.

Association Member

Active member of the Association of Computer Science and Engineering, PSG College of Technology.