Shalini Fatehpuriya

Nationality: Indian
Email: shalini20011123@gmail.com
Contact: +91 8690377905
LinkedIn: Shalini Fatehpuriya

RESEARCH INTEREST

- Procedural Content Generation (PCG) Tools for Game Designers
- AI-Assisted Game Testing & Debugging Tools
- Optimized Soft-Body & Physics Simulations for Low-Cost Devices

EDUCATION

Bachelors of Technology in Electrical Engineering   **Aug.'19 - Jul.'23**

Jaipur Engineering College and Research Centre, Jaipur, India

CGPA: 9.2

Relevant Coursework: Linear Regression Machine Learning, Internet of Things (Microcontrollers)

PROJECTS

1. **Alice's Horror House:** https://rivintro.itch.io/alice-in-horror-house-1   **Feb. – Mar.'25**
   Solo-developed a 3-level narrative horror game using Unreal Engine
- Developed interactive HUDs for player choices,dialogue; managed Game-Modes and Maps for menu navigation and gameplay flow.
- Designed AI-controlled characters with Behavior Trees to simulate enemy logic and pursuit mechanics.
- Implemented sequence players for dynamic storytelling and branching narrative events based on player decisions.

2. **Electrical Vehicle Range Prediction Model & Connect to Station IOT**   **Feb. – Jun.'23**
   Jaipur Engineering College and Research Centre, Jaipur, India
- Developed a battery monitoring prototype using Arduino and integrated sensors to accurately display real-time battery percentage for improved device reliability.
- Implemented a GPS module to automatically retrieve and display nearby charging station locations, enhancing user support and accessibility.
- Utilized Power BI for predictive analytics, visualizing battery range and optimizing route planning through interactive dashboards and advanced data modeling.

3. *Walk Assistive System for Visually Impaired*   **Sep. – Nov.'22**
   Jaipur Engineering College and Research Centre, Jaipur, India
- Developed a microcontroller-based walk assistive system for visually impaired individuals using infrared and haptic feedback.
- Integrated health monitoring to detect impact and rising blood pressure, triggering automatic location alerts to five emergency contacts.
- Enhanced safety and mobility through a blend of embedded systems, IoT, and assistive technology.

WORK EXPERIENCE

Data Engineering Management & Governance Analyst   Mar. – Aug.'25
Accenture technologies (Client - Bank of Ireland)
- Managed end-to-end service governance for a production application, covering incident management, SLA compliance, and daily client communications.
- Acted as the primary resource with customers, reporting, leading governance meetings, and handling external/client audits.
- Coordinated client-level communications during major incidents and critical production outages.

Packaged App Development Associate   Sep.'23 – Feb.'25
Accenture technologies (Client - Bank of Ireland)

- Laid the foundation for managing team allocation metrics to mitigate manual work (Manual updates were taken from Service Now) Integrated APIs connecting to client Jira platform.
- Created scalable data models to efficiently handle large resource datasets, which reduced 10Hr of manual work weekly. Developed 10+reusable Angular components.
- Designed and managed 5+ Azure DevOps CI/CD pipelines for a resource allocation dashboard, handled IAM setup for 50+ team members via Azure AD.

TECHNICAL SKILLS
- **Backend:** C++, UE Blueprints, Java, Spring Boot, C++, Data Structures & Algorithms. Developed REST APIs. backend systems, and game logic for interactive applications.
- **Frontend:** Angular 16, RxJS, Angular Material, HTML/CSS, TypeScript, Programmed responsive, component-based UIs with data-driven event handling.
- **Cloud/DevOps**: Azure, AWS, Docker, CI/CD, Jira, ServiceNow, Tableau, Git, bitbucket Working in cloud deployment, monitoring, and production application management.
- **Other Tools:** Unreal Engine 5, Adobe Software, AutoCAD.
- **Languages**: Hindi (Native), English (Fluent), Japanese (Limited Working Proficiency)

AWARDS & CERTIFICATIONS
1. **AZ-900 Microsoft Azure Fundamentals (Apr'25)** - Certified in Microsoft Azure Fundamentals (AZ-900), demonstrating knowledge of cloud concepts and Azure core services.
2. **LFC131: Green Software for Practitioners: The Linux Foundation (Nov'23)** - Completed Linux Foundation's Green Software for Practitioners (LFC131), focusing on efficient, sustainable software principles
3. **ML & AI - Create ML Models with BigQuery ML Skill Badge (Jul'24)**-Earned BigQuery ML Skill Badge for creating and deploying machine learning models using SQL in Google Cloud.
4. **Embedded System & Internet of Things (microcontrollers, cloud platforms) (Sep'21)** - Studied Embedded Systems & IoT, gaining expertise in microcontrollers and cloud platforms for connected devices.
5. **AutoCAD (2D/3D modeling) (May'20)** - Proficient in AutoCAD for 2D/3D modeling and technical drafting across engineering projects.
6. **Bank Of Ireland Quarterly Award FY'24 Q3 (Star of the Month) (Jun'24)** - Recipient of Bank of Ireland Quarterly Award FY'24 Q3 (Star of the Month) for outstanding performance and contribution to the team.
7. **Academic Excellence Award (Jul '23):** Recognized for obtaining the second highest CGPA in the Electrical program.