

# ASHIL SABU

## GAME DEVELOPMENT AND DESIGN GRADUATE

### CONTACT

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### LINKEDIN PROFILE



### FIELD OF INTEREST

- Game Development/Programming
- Game Design
- Game Testing
- Augmented Reality (AR) and Virtual Reality (VR)
- VFX (Visual Effects) Design

### PROFILE

Aspiring Games Developer poised to earn an MSc in Games Development and Design, complemented by a deep enthusiasm for crafting immersive and innovative gaming experiences. Brings over a year of experience as a DevOps Engineer with Infosys Ltd., where technical acumen, adaptability, and a collaborative approach were honed through enhancing deployment processes and optimizing operational workflows. Eager to apply a blend of creative design skills, sophisticated technical knowledge, and a genuine passion for gaming to create groundbreaking and engaging content in a dynamic and forward-thinking development environment.

### WORK EXPERIENCE

#### Senior Systems Engineer

Infosys Ltd

Dec 2019-July 2022

- Worked on three different projects: Cornerstone for Estee Lauder Companies, Vendor SSO for Cornerstone for Estee Lauder Companies, and Starbucks Work Force Management.
- Worked on Cornerstone for Estee Lauder Companies where I was part of a team that handled the deployment and management of resources in Kubernetes.
- Worked as a DevOps Engineer for Kroger Companies where I handled the CI/CD pipelines and managed the infrastructure resources for the Vendor Single Sign On.
- Worked as a Site Reliability Engineer, maintaining the infrastructure for all production as well as non-production environments.

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### LANGUAGES



### EXPERTISE

- **Programming:**
  - Proficiency in programming languages such as C++, C#
  - Understanding of algorithms, data structures, and software design patterns.
- **Game Engines:**
  - Familiarity with game engines like Unity and Unreal Engine.
  - Ability to create 2D/3D games, simulations, and VR/AR applications.
- **Mathematics:**
  - Strong mathematical skills, especially in areas like geometry, algebra, and trigonometry.
- **Computer Graphics:**
  - Knowledge of rendering, shading, and 3D modeling is essential for creating game assets and effects.
- **Physics:**
  - Knowledge of real-world physics to create realistic movements and reactions within games.
- **Gameplay Design:**
  - Understanding of game mechanics, rules, and user interface design.
  - Ability to create engaging and balanced gameplay experiences.

### EDUCATION

#### MSc Games Development and Design

University of Lincoln, UK

Sep 2022 - Oct 2023

- Pursuing an MSc in Games Development and Design from the University of Lincoln.
- Will graduate in October 2023.

#### BTech Computer Science and Engineering

Viswajyothi College of Engineering and Technology, India

2015-2019

- Graduated B.Tech in Computer Science and Engineering with a CGPA of 6.77 in 2019.

### SKILLS

- **Game Engines:** Unity, Unreal Engine 5
- **Languages:** C++, C#, Python, Java, C, Shell script
- **3D content creation:** Blender
- **AR:** AR Foundation
- **XR:** XR Interaction Toolkit
- **OS:** Linux, Ubuntu
- **Tools:** Azure, ARM Templates, REST API
- **Database:** My SQL
- **Containerization:** Azure App Services
- **SCM:** Git, GitHub, BitBucket, Azure Repos
- **Build:** Maven, Node.js
- **Automation Server:** Jenkins, Azure Pipelines
- **Task Management:** Jira
- **Documentation:** Confluence

# ASHIL SABU

GAME DEVELOPER

## REFERENCES

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## ACADEMIC PROJECTS AND PUBLICATIONS

### Choosing the Right Voice: Evaluating OpenAI, Convai, and Inworld AI for NPC Dialogue Generation

2023

Presented a complete evaluation of three popular AI frameworks in the context of procedurally generating dialogues for Non-Player Characters (NPCs) in video games: OpenAI's GPT models, Convai, and Inworld AI.

### Training Simulator for Drone using Unreal Engine

2023

Developed a 3D scene (using Unreal Engine) of a large-scale scenario that demonstrates a training simulator used for drone operator training on a high-end PC setup.

### Cherry Chase : A 2D Game

2023

2D game developed using Unity as part of MSc degree and published in Itch.io

### Flutter - A VR (Virtual Reality) Game about the Life of a Monarch Butterfly

2023

A virtual reality game, players experience a monarch butterfly's entire life cycle while learning about the ecological challenges it faces.

### Supermarket Sales Prediction

2015

Predicting the future sales of a supermarket using Python based machine learning techniques.