

Bhoomika K S

Computer Science and Design Engineer



Homepage.com



Github



Linkedin



bhoomika432004@gmail.com



9980215991

Creative technologist passionate about building thoughtful, user-focused digital experiences. Frontend developer and AI enthusiast blending design, code, and research to build intuitive, impactful digital experiences

PROJECTS

PLAGIARISM DETECTOR | REACT, DJANGO

NOV 2024

- A plagiarism detection tool using a **React** frontend and a **Django** backend to analyze text similarity.
- **TF-IDF** and **cosine similarity** to compare input text against web-scraped content for potential matches.
- **Google Custom Search API** and **BeautifulSoup** for web search and content extraction, enhancing plagiarism detection accuracy.

DONKEY-KONG GAME | UNITY, C#

DEC 2024

- Developed a Donkey Kong-inspired 2D platformer featuring two fully playable levels, utilizing **Unity's game engine** and **C** for scripting, level design, and animation.
- Implemented core gameplay mechanics including player controls, collision detection, and level transitions.

PACMAN GAME | PYTHON

APRIL 2024

- Developed a classic old time arcade game from scratch with three lives and four ghosts haunting you.
- Created an interactive frontend using **Python** and **Pygame** was used to run the game and make the elements move and change accordingly.
- Control your pawn to collect points while avoiding ghosts. Use four power-ups strategically to eliminate the ghosts and stay in the game.

CIPHER VAULT - CODELEZA | PYTHON, SQL

OCT 2022

- Developed a tool to create and manage multiple coded languages, enabling English translation to custom languages.
- Designed a 3NF-compliant database for data consistency and built an interactive frontend using Tkinter.

ACHIEVEMENTS

WINNER – BLITZ'24, | ESUMMIT(IEDC DSCE) | DEC. 2024

- Built an **AI-based healthcare chatbot** in 24 hours using NLP ML for mental health diagnosis. Won prize money and handled Frontend development and Hosting in a team of four.

PATENT CONTRIBUTOR: ON-BOOKING AMBULANCE SERVICE

Application Number: 202441091901 | UNDER PATENT REVIEW | DEC. 2024

- Proposed a location-based ambulance booking app and contributed to its patent application to improve emergency healthcare logistics.

PATENT CONTRIBUTOR: SKIN-CARE SMART MIRROR

Application Number: 202441088578 | UNDER PATENT REVIEW | NOV. 2024

- Proposed the core idea for an AI-powered smart mirror for personalized Skincare Analysis.

SKILLS

PROGRAMMING

Proficient:

- Python • SQL • HTML
- CSS • JavaScript

Familiar:

- Java • C# • C

LIBRARIES/Frameworks

- Django • React • Three.js
- Tkinter • Pygame
- Bootstrap • Tailwind

TOOLS/PLATFORMS

- Git • Github • Unity Engine
- Andriod Studios • Render
- VS Code • Mongoose

EDUCATION

DAYANANDA SAGAR COLLEGE OF ENGINEERING

BE COMPUTER SCIENCE

AND DESIGN

Noc 2022 - Present

GPA: 9.2

BGS NPS

SENIOR SECONDARY

HIGH SCHOOL

2022

CERTIFICATIONS

Data Engineering on

AWS-Foundation

Amazon Web Services

Fundamentals of Digital

Marketing Google

Data Analysis with Python

Coursera

Bharatanatyam Junior Exam –

Certified

Karnataka State Education

Examination Board