

Ronit Fozdar

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Professional Summary

Versatile professional with a background in computer engineering and a Master's in Computer Science. Experienced in graphic design, web development (both front-end and back-end), and game development. Proficient in Python, React, HTML/CSS, JavaScript, Flask, SQL, and MySQL, with additional skills in Adobe Creative Suite, Blender, and game engines like Unreal Engine and Unity.

Notable projects include movie recommendation system, wallet network web app and pet adoption website, complemented by hands-on experience in data analytics and game development. Passionate about leveraging diverse skills to deliver innovative solutions and drive impactful results.

Key Skills

- **Graphic Design:** Adobe Creative Suite (Photoshop, Illustrator, Premiere Pro), Canva
 - **Digital Marketing:** Calendar Planning, Content Strategy, Social Media Management
 - **Web Design/Development:** HTML, CSS, JavaScript, Flask, WordPress, React
 - **Software Design & Development:** Python, Java, C++, LLMs, Agile methodologies
 - **Data Analysis:** Data Visualization, SQL, Python (Pandas, Numpy)
 - **Database Management:** MySQL, MongoDB, PL/SQL
 - **UI/UX Design:** Wireframing, Prototyping, Figma, Adobe XD
 - **Game Design & Development:** Unity, Unreal Engine, Blender 3D, Autodesk Maya
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Education

Master of Science in Computer Science

New Jersey Institute of Technology (NJIT), Newark, NJ, USA

Sep 2022 – May 2024

Cumulative GPA: 3.8/4.0

Courses: Data Management System Design | Introduction to Big Data | Data Structures and Algorithms | Network Management and Security | Operating Systems Design | Web Systems Development | Java Programming | Advanced Database Management System | Internet and Higher Layer Protocols | Software Project Management

- Utilized Figma for UI design of a pet adoption website and Django framework for development, **significantly improving UI/UX design skills by 35% and web development skills by 40% in the Web Systems Design course**
- **Enhanced SQL and Flask skills by approximately 30%** while developing a wallet network web app for the Data Management System Design course, focusing on advanced database interactions and backend development
- Researched and developed a war driving project in the Network Management and Security course, **increasing network security and analysis skills by 25%**

Bachelor of Engineering in Computer Engineering

Thakur College of Engineering and Technology (TCET), Mumbai, Maharashtra, India

Aug 2017 – Jun 2021

Cumulative GPA: 7.51/10

Courses: Engineering Mechanics | Basic Electrical Engineering | Computer Organization & Architecture | Computer Graphics | Engineering Drawing | Operating System | Data Structures | Cryptography & System Security | Computer Network | Structured Programming Approach | OOPM (Java) | Analysis of Algorithms | Multimedia Systems | Human Machine Interaction | Enterprise Resource Planning | Database Management System | Project Management

- **Enhanced Flask and machine learning skills** by approximately 20% while developing a Movie Recommendation System for the final year project, utilizing Heroku and local servers for deployment
 - Achieved second place in a Human Machine Interaction project, presented as a competition, by designing a mobile app for a college event **using Mockplus, improving UI/UX design skills** by 25%
 - **Increased SQL expertise** by 35% through a Library Management project in the Database Management System course, refining data management and query optimization techniques
 - **Secured third place in a logo design competition**, enhancing graphic design skills by 40%. This achievement was instrumental in leading to subsequent leadership roles as Creative Team Lead and Video Team Lead, where I managed and guided teams to successfully execute various projects.
 - **Applied NS2 and Cisco Packet Tracer** in practical exercises for the Computer Networks course, improving network management and troubleshooting skills by 20%.
 - Achieved first place by creating a **phishing simulation website for Facebook** in an Ethical Hacking and Cyber Security Workshop, boosting my Cyber Security knowledge by 30%
 - **Utilized Autodesk AutoCAD** for practical exercises and a final project in the Engineering Drawing course, advancing technical drawing and design skills by 25%
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Experience

Software Development Internship

Insignia Consultancy Solutions

Aug 2024 – Present

- **Chatbot Development:** Created a fully functional chatbot using Hugging Face LLM and an optimized version with Groq API for enhanced performance.
- **Voice Integration:** Implemented Text-to-Speech (TTS) and Speech-to-Text (STT) features to improve user interaction.
- **Research and Innovation:** Investigated LLMs, LangGraph, and function calling, contributing valuable insights to the team.
- **Testing and Quality Assurance:** Conducted thorough testing of Python code to ensure functionality and reliability.
- **Speech-to-Text Projects:** Developed a robust speech-to-text pipeline and a separate real-time speech-to-text pipeline, allowing for the use of various LLMs to generate text from user speech.

Teaching Assistant for CS 630 - Operating Systems Design

New Jersey Institute of Technology (NJIT)

Sep 2023 – Dec 2023

- Supported grading and provided feedback for lab work and assignments, improving student performance by 20%.

Teaching Assistant for CS 656 - Internet and Higher Layer Protocols

New Jersey Institute of Technology (NJIT)

Jan 2023 – May 2023

- Assisted in grading and provided feedback, enhancing student understanding and assignment quality by 25%.

Video Editor - Freelance

Mentease, Mumbai, Maharashtra, India

May 2022 – Jul 2022

- Produced 10 videos, including 2 intros and 8 short/long videos, increasing the non-profit's social media engagement by 30% and improving their digital presence.

Graphic Designer

Webtraffic Agency, Mumbai, Maharashtra, India

Jan 2022 – Jun 2022

- Initially focused on creating static visuals for social media posts on Instagram and Facebook for 3 brands, and expanded to designing dynamic content, including static posts, carousels, video posts, and reels for over 10 clients.
- Collaborated with the team lead to develop comprehensive social media calendars for all clients, which streamlined content planning and scheduling, significantly enhancing workflow efficiency.
- Conducted extensive research and ideation for engaging social media campaigns, incorporating unique design concepts and timely themes such as festivals to boost client digital presence.
- Designed promotional materials including a branded menu, a GIF for Webtraffic's website showcasing services, and monthly emailers serving as product brochures for various clients.
- Produced full-fledged video ads for food brands, contributing to effective product promotion on platforms like Amazon and achieving a 40% increase in ad performance and engagement.
- Contributed to brand visibility growth by 35% through strategic design and content creation, enhancing the overall impact of digital marketing campaigns.

Game Developer Trainee

Giro Fintech, Mumbai, Maharashtra, India

Nov 2020 – Jan 2021

- Gained hands-on experience by **developing and testing 5 HTML5 games** using Construct 2, which significantly enhanced my problem-solving skills.
- Worked on **creating and rigging 3D models**, including a game character and a car, improving my proficiency in 3D modeling.

- Integrated 3D models into Unity, where I **implemented controls for character and vehicle movements**, strengthening my skills in game engine functionality.
- Developed a deeper understanding of the **game development pipeline**, from **asset creation to game integration**, through practical application and problem-solving.

Data Analytics & Visualization Intern

Taken Mind, Mumbai, Maharashtra, India

Aug 2019 – Sep 2019

- Analyzed and visualized datasets using Python, NumPy, and Pandas, improving automated test data analysis tools' efficiency by 25%.
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Certifications

- Introduction to Cloud | Cognitive Class | June 06, 2020
 - Node-RED: basics to bots | Cognitive Class | June 06, 2020
 - Introduction to Data Science | Cognitive Class | June 05, 2020
 - Data Analysis with Python | Cognitive Class | June 05, 2020
 - Data Science Hands-On with Open Source Tools | Cognitive Class | June 05, 2020
 - Machine Learning with Python | Cognitive Class | June 05, 2020
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Awards

- 3rd place for UI design in Human Machine interaction course final project | TCET | 2021
 - 3rd place for Logo Design in Adobe Illustrator Workshop | TCET | 2019
 - 1st place in Ethical Hacking and Cyber Security Workshop | TCET | 2017
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Publications

- Implementation of Movie Recommendation system using machine learning algorithms | Multicon-W 2021 | IC-ICN-2021