

DEEPANSHU BISWAS

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Driven entry-level product manager seeking to apply analytical skills and innovation mindset. Dedicated to collaborating with teams to define features, conduct market research, and support successful launches. Committed to delivering high-quality solutions meeting customer needs and driving business growth. Eager to contribute in a dynamic, collaborative environment while continuously learning and developing professionally.

EDUCATION

Chandigarh University
Bachelor in Computer Science and Engineering
CGPA: 8.19

Gharuan, Mohali
August 2021 - July 2025

Sri Sankara Vidyalaya
Intermediate (CBSE)
Percentage: 93.4%

Bhilai, Chhattisgarh
April 2020 - April 2021

Sri Sankara Vidyalaya
Matriculation (CBSE)
Percentage: 94.8%

Bhilai, Chhattisgarh
April 2018 - April 2019

SKILLS SUMMARY

- **Languages:** C++, SQL, Python
- **Tools:** Power BI, Excel, PowerPoint, MySQL
- **Analytics Skills:** Agile, Data Analytics, SDLC, Product Management, Product Service, Problem Solving, Data Visualization
- **Languages:** English, Hindi

PROJECTS

Passwordless Authentication

August 2024 - December 2024

- Research on feasibility of Passwordless Authentication method for enhancing Cyber Security.
- Analyzed various Passwordless Authentication techniques, including biometric authentication, hardware tokens, and cryptographic solutions, to evaluate their strengths and weaknesses.
- Implemented FIDO2-based biometric authentication, reducing login time by **25%** and enhancing user satisfaction with **98% positive feedback** during beta testing.
- Assessed the potential timeline for quantum computers to break modern encryption, projecting a **50%** chance of **RSA encryption** being vulnerable within the next **10-15 years**.
- Conducted an in-depth analysis of how quantum computing could break current encryption standards identifying potential vulnerabilities that could impact **90% of existing online communications**.

Flappy Bird Game

January 2023 - August 2023

- Developed a model of the environment by sampling the states, taking actions, and observing the rewards.
- Developed and fine-tuned Deep Reinforcement Learning model achieving an **87% accuracy** rate in predicting the expected future states.
- The model achieved super-human performance by learning directly from pixels and score.
- Proposed and tested enhancements to experience replay by prioritizing impactful experiences, leading to more efficient training and faster convergence in **Deep Q-Network (DQN)**.

Real-Time Bus Location Tracker (Web-Based)

January 2025 - May 2025

- Built a real-time location tracking web application using Node.js, Express.js, and Socket.io, enabling multiple users to share and view live positions on an interactive map.
- Integrated Leaflet.js with OpenStreetMap to display user locations dynamically, updating them in real time as they moved.
- Implemented WebSocket communication to handle live data transmission between clients and server, supporting user join/disconnect events and location broadcasting.

CERTIFICATES

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|--|---------|---------------------------------------|---------|
| • IBM Product Manager | 07-2024 | • IBM Introduction to Data Analytics | 09-2024 |
| • AI Product Management Specialization | 04-2024 | • Cloud Computing Concepts | 06-2022 |
| • Google Product Management | 04-2024 | • Encryption and Decryption using C++ | 07-2023 |
| • Become a Business Analytics | 10-2023 | | |

EXTRA CURRICULAR

Accenture North America Data Analytics and Visualization Job Simulation on Forge

August 24- August 24

- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.
- Cleaned, modelled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions.
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders
- Conducted in-depth market research and analysis, resulting in the identification of + key trends and insights that informed strategic decision-making processes.