**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** Gharuan, Mohali

## Bachelor in Computer Science and Engineering **August 2021 - July 2025**

*C*GPA: 8.19

**Sri Sankara Vidyalaya** Bhilai, Chhattisgarh

## Intermediate (CBSE) **April 2020 - April 2021**

Percentage: 93.4%

**Sri Sankara Vidyalaya** Bhilai, Chhattisgarh

## Matriculation (CBSE) **April 2018 - April 2019**

Percentage: 94.8%

### **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 withinthe 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**

|  |  |
| --- | --- |
| * 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 Forage 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.