

# SMRITA PANDEY

Computer Science (BS) — Arizona Based — Passionate about Data Science, Machine Learning, and Cybersecurity

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## Professional Summary

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Results-driven full-stack developer with experience in data science, machine learning, software development, web and mobile development, and cybersecurity. Skilled in Python, SQL, Java, and data visualization tools to analyze datasets and provide actionable insights. Experienced in software engineering, debugging, and full-stack development for scalable solutions. Passionate about solving business problems using data-driven approaches and building recommendation systems.

## Education

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### Arizona State University

*Bachelor of Science in Computer Science*

GPA: 3.2 — Dean's List, Spring 2021

**Jan. 2021 – Dec. 2024**

*Tempe, AZ*

## Projects

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### Apna Agri Store - E-Commerce Platform | *Full Stack Website Developer*

**2024 – current**

Built MERN stack marketplace connecting 500+ local farmers with buyers

Designed real-time inventory management system with SQLite

Integrated Stripe API with escrow payment system, improving transaction success rate to 98.6%

Real-time crop rates updated using python, increasing user satisfaction by 14%

### Naralytics Emotional Intelligence App Redesign | *React-Native, Firestore*

**May 2024 – Aug. 2024**

Led the redesign of an emotional intelligence app, resulting in a 35% increase in user engagement and a 20% improvement in load times.

Implemented scalable features for saving, sharing, and liking content, handling over 10,000 active users monthly.

Optimized real-time data management using Firestore to support a growing user base.

### Intel Data Center Energy Optimization Analysis | *Python, SQL, Data Visualization*

**Oct. 2024 – Nov. 2024**

Analyzed over 1 TB of energy usage data to identify optimal locations for data centers, reducing operational costs by 15%.

Created detailed visualizations to present findings, improving stakeholder understanding and decision-making.

### Babble - 3D Unity Game for Language Learning | *Unity, C#*

**Feb. 2024 – Apr. 2024**

Developed a 3D virtual world for language learning, engaging over 70 beta testers with a 90% positive feedback rate.

Enhanced performance by 25% through code optimization and modular gameplay design.

Designed and tested interactive features, resulting in a 50% increase in user retention during beta testing.

### EffortLogger Software Development | *JavaScript, SCRUM*

**Mar. 2023 – Apr. 2023**

Developed task logging software used by over 50 users during testing, improving task tracking efficiency by 30%.

Utilized SCRUM methodologies to deliver a functional product within a 4-week sprint.

### Fine Motor Skills Game for Toddlers | *P5.js*

**Jan. 2021 – Mar. 2021**

Created an interactive game improving fine motor skills for over 50 children aged 4-7, receiving positive feedback from 90% of participants.

Designed user-friendly interfaces to boost engagement and enhance learning outcomes.

## Technical Skills

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**Programming:** Python, SQL, Java, JavaScript, R (in progress)

**Software Development:** Debugging, Testing, Feature Development, Agile Methodologies

**Game Development:** Unity, Firebase Integration, Real-Time Data Management

**Data Science:** Machine Learning, Recommendation Systems, Data Wrangling, Visualization (Tableau, Matplotlib, Seaborn)

**Cybersecurity:** Kali Linux, Risk Assessment, VAPT, Cryptography

**Tools:** Git, Jupyter, Firebase, Node.js, Kali Linux

## Experience

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### Global Career Accelerator: Coding for Data

Sept. 2024 – Jan. 2025

*Participant*

*Remote*

Collaborated with global teams to clean and visualize data, perform data analysis, and deliver insights for business strategy. Utilized Python, SQL, and version control (Git) for data aggregation, joining, and analysis to provide actionable recommendations.

Gained hands-on experience in team-based problem-solving and software engineering workflows.

### Naralytics Emotional Intelligence App Redesign

May 2024 – Aug. 2024

*React Native Developer*

*Tempe, AZ*

Implemented scalable solutions for sharing, saving, and liking media content.

Collaborated with designers and developers to enhance user engagement and manage real-time data using Firebase.

Applied debugging techniques to optimize app performance, ensuring seamless functionality across devices.

### BDO India LLP

June 2023

*Intern, Risk & Advisory Services*

*Mumbai, India*

Performed cybersecurity tests using Kali Linux, analyzed URLs for risks, and presented findings to senior management.

Applied structured problem-solving to assess vulnerabilities, enhancing software reliability and security.

### Innovador Infotech

June 2023 – July 2023

*Trainee, Cybersecurity*

*Noida, India*

Engaged in Vulnerability Assessment and Penetration Testing (VAPT) for government websites, learning from cybersecurity professionals.

### QNu Labs Private Limited

May 2023 – Aug. 2023

*Project Intern*

*Remote*

Worked on cryptography principles and performed cybersecurity tasks under senior mentors.

## Additional Skills

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**Languages:** BASH, Scheme, Prolog, C/C++, C#

**Web Development:** HTML5, CSS3, Node.js, RESTful APIs

**Mobile Development:** React Native (Android Studio)

**Database Management:** NoSQL (MongoDB, Firebase)

**Tools & Technologies:** Unity (Visual Scripting), Blender, MS Office, MATLAB, Adobe Photoshop, Adobe Acrobat,

CorelDraw x7, Latex, Visual Studio Code, ChatGPT Prompting

**Soft Skills:** Adaptability, Integrity, Leadership, Communication, Teamwork, Critical Thinking, Problem-solving, Creativity, Attention to detail

## Volunteer / Leadership Experience

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### Gandhi Corner Association Representative

Apr. 2018 – Feb. 2020

*La Martiniere Girls' College*

*Lucknow, India*

Managed class collections and volunteer work for events such as 'Day of the Girl Child' and 'Spare-and-Share Meal'.

Led volunteer tasks and managed event resources for annual school events such as festivals and concerts.

### Computer Club Member

Apr. 2018 – Feb. 2020

*La Martiniere Girls' College*

*Lucknow, India*

Volunteered during interschool competitions to set up venues and assist participants.

Contributed to and proctored trivia quizzes and designed event invitations and decorations.

## Languages

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**English:** Fluent **Hindi:** Native **Japanese:** N5 Level

## Awards

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Silver Prize in Art Competition at Welhams College, Dehradun Dean's List (Spring 2021) at Arizona State University