

Sudip Amgain

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EDUCATION

Catawba College

Salisbury, NC

Bachelor of Science in Computer Science, GPA: 4.0/4.0

Expected May 2028

- **Relevant Coursework:** Computing Fundamentals, Intro to Programming (Python), Intermediate Programming (Java), Intro to Statistics, Intro to Calculus, Linear Algebra
- **Honors:** Full Ride Scholarship, Honor Student, President's Honor Roll (2024-2025), Dean's List (Fall 2024, Spring 2025)

EXPERIENCE

Sustainability Data Intern

May 2025 – July 2025

Catawba College - Center for Environment

Salisbury, NC

- Organized and cleaned **sustainability datasets** using Python and Excel, improving data quality for environmental research
- Developed **Python scripts** to streamline data cleaning tasks and reduce manual data entry
- Created data visualizations using **Matplotlib and Pandas** to communicate sustainability metrics to research team
- Assisted with documentation of data processing workflows for future environmental projects

PROJECTS

Geography Quiz Game | *Java, Eclipse IDE*

Feb 2025 – May 2025

- Built interactive geography quiz with **multiple difficulty levels** and progressive point system unlocking advanced questions
- Implemented **OOP principles** including inheritance, encapsulation, and polymorphism for scalable architecture
- Integrated **file I/O operations** to persist user scores and track performance across gameplay sessions
- Designed intuitive user interface with real-time feedback for question validation and scoring updates

LEADERSHIP & INVOLVEMENT

SMART Center Tutor

Feb 2025 – Present

Catawba College

Salisbury, NC

- Provide **one-on-one tutoring** in Calculus, Linear Algebra, and Statistics, improving student academic performance
- Design customized study materials and practice problems tailored to individual student needs
- Assist students in exam preparation and assignment completion, enhancing understanding of core concepts

Treasurer

Sep 2024 – Present

IT Club, Catawba College

Salisbury, NC

- Manage **\$3,000+ club budget**, overseeing financial planning and resource allocation for technical events
- Organize **technology workshops** and hackathons annually, fostering tech community for **members**
- Collaborate with executive board to plan networking events and promote professional development opportunities

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, SQL

Frameworks & Libraries: Node.js, Pandas, NumPy, Matplotlib

Developer Tools: Git, GitHub, VS Code, PyCharm, Eclipse, Jupyter Notebook

Technologies: RESTful APIs, Version Control