Nandini Bahirgonde

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EDUCATION

Arizona State University [Ira Fulton Schools of Engineering] | Tempe, USA Graduating: **May 2027**
Bachelor of Science in Computer Science GPA: **3.78/4.0 [Dean's List]**
Certificate in Business Data Analytics
Relevant Coursework: Data structures and Algorithms, Operating Systems, Software Engineering, AI, ML, Assembly Language Prog, Deep Learning Structures.

SKILLS

Languages: Python, Java, TypeScript/JavaScript, C++/ C, SQL, MATLAB, HTML, CSS
Libraries/Framework: PANDAS, Matplotlib, NumPy, Flask, React
Tools: Git, GitHub, Linux, VS Code, Power BI, Jupyter Notebook, Microsoft Office

EXPERIENCE

Program Assistant | Center for the Study of Race and Democracy | ASU **August 2025 – Dec 2025**
- Coordinated logistics and outreach for **15+ university events**, supporting faculty, students, and external partners
- Managed **event communications, scheduling, and documentation**, serving as a liaison between stakeholders to streamline operations and reduce coordination delays
- Assisted in data tracking and reporting for program engagement and participation metrics

Teaching Assistant and Tutor | School of Computing and Augmented Intelligence | ASU **Jan 2025 – May 2025**
- Provided **1-on-1 and small-group tutoring** to **40+ students** in programming, statistics, and problem-solving concepts
- Clarified complex technical topics through structured explanations and hands-on examples, improving student performance and confidence
- Mentored students on project development, debugging strategies, and exam preparation

Frontend Developer | Esbee Power Solutions | **India** **May 2024 – July 2024**
- Built **responsive frontend components** using HTML, CSS, and JavaScript, following modular and **reusable design patterns**
- Implemented **structured layouts**, reusable components, and interactive elements to improve navigation and usability
- **Optimized frontend** pages for cross-browser and cross-device compatibility, ensuring **consistent performance**
- Collaborated with stakeholders to **incorporate feedback** and iteratively **refine the user interface**
- **Deployed and maintained** the production website, managing updates and version control using Git/GitHub

PROJECTS

Student Budget & Expense Analytics Tool | Python, Pandas, SQL, Power BI
- Processed and analyzed **12+ months of student expense data** to identify spending patterns and savings opportunities
- Designed SQL queries and Python workflows to compute category-wise spending, monthly trends, and budget adherence
- Created visual dashboards to present actionable insights supporting data-driven financial planning

EventSense | React, Flask, SQL, Power BI | Live | GitHub
- Built a web platform to track and analyze university event engagement and participation trends
- Implemented frontend dashboards using **React** and backend APIs using **Flask**
- Designed relational schemas and SQL queries to analyze attendance and outreach performance
- Delivered interactive visual dashboards to support data-driven event planning decisions

DataVault | PostgreSQL, SQL, Python | GitHub
SunHacks Hackathon Project - Award Recipient
- Designed and implemented **normalized relational database schemas** for a multi-entity application, ensuring data integrity and minimal redundancy
- Built **automated data ingestion pipelines** in Python to load, clean, and validate structured data into PostgreSQL
- Optimized database performance using **indexes, query planning, and execution analysis**
- Wrote complex **SQL queries and joins** to support analytics and reporting use cases
- **Awarded at the SunHacks Hackathon** for optimizing query performance through efficient schema design, indexing, and join optimization

LEADERSHIP & ACTIVITIES

Equity & Inclusion Chair | Fulton Schools of Engineering, ASU **Jan 2025 – Present**
- Led and organized **student-focused initiatives** in collaboration with university organizations to promote inclusive community engagement