ADITI PANCHAL

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EDUCATION

BACHELOR OF SCIENCE – COMPUTER SCIENCE (HONORS) AUG 2018 – DEC 2021
Texas A&M University | College Station, TX

Minors: **Statistics**, Psychology
GPA: 3.76/4.0, Dean's Honor Roll (x3)
Relevant Courses: **Design and Analysis of Algorithms, Programming Studio, Principles of Data Science, Principles of Statistics II**

HIGH SCHOOL DIPLOMA - HIGH HONOR GRADUATE AUG 2014 - JUN 2018
Seven Lakes High School | Katy, TX

Organizations: Varsity Speech and Debate, FBLA, Several Honor Societies

PROFESSIONAL EXPERIENCE

CAPITAL ONE SOFTWARE ENGINEERING INTERN | JAVA, JAVASCRIPT, GRAPHQL JUN 2020 – AUG 2020
Payment Technology | Remote Internship

- Developing functionality for internal application which provides data for payments, by designing ACH payment client registry **API** and connecting all database data to UI – application will be **used by all employees** in Commercial Technology Department

CAPITAL ONE SOFTWARE ENGINEERING SUMMIT, HACKATHON JAN 2020
Sophomore Technology Conference | McLean, VA

- Developed a unique budgeting app to help college students **save money towards goals and analyze past spending history** to identify areas in which to lessen expenses; looking to incorporate machine learning to offer more intuitive analysis

OTHER EXPERIENCE/CONFERENCES: JPMorgan Chase Sophomore Edge Program – Software Engineering Track, Citi Technology Early Identification – Virtual Mentorship Program

LEADERSHIP AND PROJECTS

GRAND RESEARCH CHALLENGE ASSISTANT – SPACECRAFT MACHINE LEARNING | PYTHON, C++ AUG 2019 – MAY 2020
Texas A&M University | College Station, TX

- **Implemented reinforcement learning algorithm** (Q Learning) to allow spacecraft to be able to navigate on its own in space
- **Co-authored publication** for upcoming IEEE Conference about creating high fidelity low altitude imaging simulations with Python OpenCV

POPULARITEA: DATA STORAGE AND ANALYTICS | PYTHON, ACCESS, EXCEL, JAVASCRIPT MAY 2019 – AUG 2019
Tapioca House | Katy, TX

- **Voluntary effort to optimize delivery/storage schedule** (based on profitable timing by product and minimizing profit loss due to lack or spoilage of ingredients) by applying **data management software** to local teahouse's **customer/product popularity data**
- Designed **web application, endorsed by employees, to easily manage inventory** and increase efficiency of stock management processes

WOMEN IN ENGINEERING (WE) – SOCIAL MEDIA TEAM LEAD, AMBASSADOR SEP 2018 – JAN 2020
Texas A&M University | College Station, TX

- Spearheaded committee **promoting connectedness between prospective/current students** to facilitate spreading of information
- Assembled team to help **mentor and tutor women and other minorities** to pursue majority-lead STEM fields through workshops

PROCESURE: AGGIESINVENT – VIRTUAL REALITY APPLICATIONS | JAVASCRIPT, HTML, UNITY DEC 2018
Texas A&M University | College Station, TX

- Developed an **AR application** with a business model for surgery candidates to be able to learn about medical procedures with 3D models using Unity and applied self-taught HTML and React.js, all within 48 hours

SKILLS AND AWARDS

TECHNICAL: Python, C++, Java, JavaScript, SQL, DBMS, IOS and Android, React.js, Flask, R, HTML, CSS, Assembly, MS Office
LANGUAGES: English, Hindi, Spanish
AWARDS: Dean's Honor Roll, National AP Scholar, National Merit Commended Scholar, 5th Place FBLA Nationals Winner
PUBLICATIONS: 2020 IEEE Aerospace Conference, TAMU Ingenium Engineering Blog
INTERESTS: AI, ML, Web and App Development, Hackathons