

SIDHANT PUNTAMBEKAR

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Education

Bachelor of Arts, Computer Science

University of Colorado Boulder, August 2019 - present

- President Horace M. Hale Esteemed Scholar Award

International Baccalaureate Diploma, High School Diploma

Fairview High School, Boulder, CO, August 2015 - May 2019

- Advanced Placement Honors with Distinction
- Unweighted GPA: 3.78 Weighted GPA: 4.60

Work Experience

Research Intern (PRECIP)

The National Center for Atmospheric Research (NCAR), Boulder, CO, June 2018 - January 2019

- Researched landfalling tropical cyclones along the US eastern coastline to improve computational forecasting models using statistical analysis and data visualization from Extended Best Track Hurricane data set.
- Presented at 99th American Meteorological Society conference at Phoenix Arizona, January 2019.

Selected Independent Projects & Experiences

Software Programmer

Robotic Mining Competition, Robotic Boat Team, University of Colorado Boulder, September 2019 - present

- Programming a high level state machine to allow mining robot to make run-time decisions autonomously given its current state.
- Programming a robotic boat to make navigational decisions considering obstacles utilizing robotic operating system (ROS) and LIDAR.

Rocky Mountain Genomics HackCon

University of Colorado Boulder, June 2019

- Explored various genomic analysis tools such as Nextflow and Galaxy for computerized RNA-sequencing analysis of cancer genes.

Honors & Awards

- American Meteorological Society Freshman Undergraduate Scholar, 2019
- President Horace M. Hale Esteemed Scholar Award, 2019
- Colorado State Seal of Biliteracy (Spanish and English), 2019

Skills & Interests

Certifications: Introduction to Genomic Technologies, Python for Genomic Data Science, Genomic Data Science with Galaxy, Coursera/Johns Hopkins University, 2019

Programming Languages: Python, Java, C++, Bash (Unix Shell), Swift, MATLAB, Perl, Nextflow, HTML

Computer Skills: Microsoft Word, Excel, Powerpoint, Prezi, Google Docs, Data Entry, Docker, Singularity, Git

Languages: English, Spanish, Hindi, Marathi