Anay Gokarn

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EDUCATION

University of Washington, Seattle [2023-present] Expected Graduation: 2027

Bachelor of Science in Human Centered Design Engineering GPA: 3.60

Singapore American School, Singapore [2020-2023] Graduation: June 2023 | GPA: 4.09/4.50 | SAT: 1520

Awards/Certificates: Dean's List [2021-2023] | University of Sydney Innovation Through Design Certificate [2020] | Stanford CS229 Machine Learning Course Certificate [2020]

Skills: Fusion 360, Solidworks, Adobe Illustrator, Microsoft Office Suite, Figma, Java, Python, R-Studio

PROJECTS & RELEVANT COURSEWORK

Quantitative Science 381, Seattle, Washington [2025]

Applied different statistical methods in R studio and leveraged them to create models from data sets

- Programmed a model to evaluate the efficacy of sleeping medication using R-Studio by comparing KPIs such as hours of REM sleep between experimental and control groups
- Constructed a model to track variations in time efficiencies of employees at different tech companies and isolated variables to determine how to boost performance

Harvard Data Science: Machine Learning [2024]

Developed a range of machine learning algorithms in R-Studio using training and test data sets

- Developed a model in R-Studio to predict breast cancer by examining patterns in shape and size of cell nuclei between malignant and benign tumors to determine if new samples were malignant or benign
- Created a movie recommendation system which examines user's vs peer's IMDB ratings of existing films to predict compatibility by forecasting ratings of new unseen films

EXTRACURRICULAR ACTIVITIES

Boring Club, Seattle, Washington *[2024 - present]*

Member

- Designed propulsion system for a remote-controlled boat by applying my knowledge in Fusion360 and Autodesk CFD to develop an effective propellor design
- Improved accuracy of propulsion system testing by ~25% by identifying inaccuracies in current computational analysis testing methodology and developing new methodology using a physical setup

One Degree North Robotics SAS, Singapore *[2020-2023]*

Mechanical Officer

- Represented my school in international MATE Ranger ROV competition; placed 2nd out of >20 teams
- Engineered remote-operated underwater vehicle to tackle challenges mirroring real-world marine conservation efforts such as coral rehabilitation and deep sea cable installment

Model United Nations, Jakarta, Indonesia *[2019-2020]*

Member

- Represented my school in APAC Model UN conference (THIMUN) held in Singapore

Coding Club, Jakarta, Indonesia *[2018-2019]*

President, Founder

- Designed adaptive weekly Python lessons for 10-person class, catering to diverse learning styles

VOLUNTEERING

ACRES Wildlife Rescue Center, Singapore *[2020-2023]*

Member

- Raised over $1000 for annual charity fundraised by planning drawing competition for over 70 participants

Habitat for Humanity, Indonesia *[2018-2020]*

Member

- Built and painted houses for lower-income families; regularly planned fundraisers to finance efforts