

Daksh Jain

github.com/djain106/ • linkedin.com/in/daksh-j/
dakshbjain@gmail.com, 917-517-6443

EDUCATION

University of Delaware, College of Engineering

May 2021

Bachelor of Science in Biomolecular and Chemical Engineering

Honors Program, Grand Challenges Scholar

Minors: Computer Science, Economics, Chemistry

GPA: 3.9 **Awards:** Dean's List: Fall 2017 - Spring 2021

Relevant Coursework: Data Structures, Software Engineering, Machine Learning, Assembly Language

SKILLS

- **Programming Languages:** Python, JavaScript, MATLAB, Java, C++, C#, SQL, HTML, CSS,
- **Frameworks:** React, Flutter, .NET Framework,
- **Tools:** Scikit-learn, Express, NumPy, Pandas, Node, MongoDB, Express, Git, Redux
- **CAD:** SolidWorks

EXPERIENCE

Air Products, Inc., LNG Process Engineering Intern – Allentown, PA

June 2020 – August 2020

- Created a VBA temperature profile tool to analyze stresses within CWHE for 30+ heat exchangers
- Analyzed material cost efficiency for 5+ heat exchanger designs
- Improved problem-solving skills and learned automation of complex calculations

Endavor, LLC, Software Engineering Intern – Greenville, DE

June 2019 – January 2020

- Worked on 20+ administrative pages in Illuminate Suite coded in the .NET Framework
- Fullstack development of Forward Access Point for 20+ nuclear power plants
- Learned test-driven development and effective teamwork skills for successful product delivery

Fromen Research Group, Undergraduate Research Assistant – Newark, DE

September 2017 – March 2019

- Leveraged 3D printing to optimize pulmonary nanoparticle drug delivery
- Conducted nanoparticle deposition experiments to analyze the efficacy of targeted pulmonary drug delivery
- Engineered and printed anatomically accurate lung models utilizing SolidWorks

PROJECTS

Gambit (~gambit)

Present

- Coded a full-stack application that implements allows users to register and play BlackJack, Roulette, and Slots (*MongoDB, Express, Node, React*)

Disbiome Analysis (~disbiome_matlab)

Present

- Harnessing machine learning to create predictive model for patients based on bacteria within the gut microbiome (*Python, NumPy, TensorFlow*)
- Created visual model for analyzing correlations between gut microbiome and associated diseases with 1000+ individuals (*MATLAB*)

WebNote (~webnote)

June 2020

- Created a Google Chrome extension syncs sticky notes to a web domain (*JavaScript, HTML, CSS*)

Navkarsi (~navkarsi_app)

August 2019

- Created an Android application that provides 10+ users with necessary region-based information (*Dart/Flutter*)

TF-IDF (~tf-idf)

September 2017

- Implemented the term-frequency - inverse document frequency algorithm for effective document searches (*Python*)

LEADERSHIP/MERITS

Kamaal, Treasurer/Captain

August 2017 - Present

- Choreographing and teaching multiple styles of dance including Bollywood, Bhangra, Jhumar, and Raas
- Placed 1st and 3rd in national Bollywood fusion dance competitions

Robert L. Pigford Undergraduate Award

July 2020

- Awarded for high academic performance, leadership, good communication and organization skills, and genuine interest and curiosity toward chemical engineering