# Arsh Noor Amin

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## Education

**Bucknell University** — Lewisburg, PA

BSc. in Computer Engineering, **GPA 3.6 out of 4.0** — May 2021

> **Honors:** Cum Laude, Dean's List, Bison Award for Excellence
>
> **Relevant Coursework:** Object Oriented Design, Data Structures Algorithm, Machine Learning, Computer Architecture

MSc. in Electrical Engineering — May 2023

## Experience

**Northrop Grumman** — August 2020 - May 2021

Software Engineer - *Capstone Project* — Baltimore, MD

- Designed and developed User Interface for RF Emitter device to be used by Northrop Grumman test pilots using Python
- Collaborated with 2 system engineers to Integrate the User Interface with a Software-Defined Radio (SDR)
- Streamlined test pilot workflow by reducing interface to SDR response time by 15%

**PA Women's Agricultural Network** — June - August 2020

Full-Stack Developer — State College, PA

- Architected and implemented classifieds web application for 300+ women farmers in Center County, PA, using Angular and Django
- Increased community engagement and outreach among farmers in the county by 60%

**Diginera LLC** — January - May 2020

Frontend Engineering Intern — Lewisburg, PA

- Built frontend of parking application for Bucknell University using HTML, CSS, and JavaScript
- Engaged directly with client by doing weekly standup meetings, presenting mockups, and negotiating app features
- Increased user engagement with parking related communication by 80% compared to previously used PDF maps

**Ray Schedule** — January - July 2019

Frontend Developer — Lewisburg, PA

- Redesigned and maintained the frontend of Bucknell's course scheduling web application using React
- Added cross-browser compatibility and mobile responsiveness

## Skills

### Programming Languages:

Python, Java, MATLAB, C, JavaScript, TypeScript

### Libraries & Frameworks:

Angular, Django, React, Flask, Bootstrap, Scrum, TensorFlow

### Tools & Platforms:

Git, Postman, Heroku, Figma, Adobe XD, Illustrator, InDesign

## Projects

**Amulya** *Personal*

Story based drag and drop coding platform for children in South Asia. Secured $12,750 in funding through BizPitch, Bucknell's startup competition and the Davis Projects for Peace

**BeHerd** *Twilio Challenge*

Campus security app built using Flask and Twilio Communication API. Winner of the Twilio Challenge 2021

## Leadership

**International House at Bucknell**
*House Leader*

Organized 5 cultural events for 200+ students. Increased student engagement by 85%

**Lewisburg Children's Museum**
*Technical Lead*

Managed a team of 6 technical interns. Designed and Built 3 interactive science exhibits for children 5-12 years old