

# Fnu Himanshu

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## EDUCATION

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### Virginia Tech

Blacksburg, VA

*Bachelor of Science in Computer Science; GPA: 3.42*

*August 2017 - May 2021*

**Relevant Courses:** Data Structures and Algorithms, Computer Systems, Software Engineering Capstone, Mobile Software Development, Data and Algorithm Analysis, Intro to GUI Programming, Principles of Computer Security, Combinatorics

## RELEVANT EXPERIENCE

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### Dematic Corp.

October 2021 - Present

*Software Engineer*

*Grand Rapids, MI*

- Develop Dematic Warehouse Control System(WCS) using Angular, NestJS, SQL as per the customer's requirements
- Design and create user interfaces that are used by 100+ warehouse operatives across multiple warehouses
- Collaborate with cross-functional teams to perform testing
- Provide technical support and comprehensive training on the Dematic WCS system

### InfoVis Lab at Virginia Tech

January 2021 – May 2021

*Undergraduate Researcher for Dr. Chris North*

*Blacksburg, VA*

- Developed Data Portal for Food Access and Security Study using **d3.js**
- Improved data visualizations and graphs on Portal to be more accessible
- Identified and resolved security issues

### Computer Science Department, Virginia Tech

February 2021 – May 2021

*Undergraduate Teaching Assistant*

*Blacksburg, VA*

- Teaching assistant for Intro to GUI Programming
- Taught **JavaScript** and Unity to college students
- Graded projects and provided feedback to students

### HCL Tehcnologies

June 2018 – July 2018

*Software Engineering Intern*

*Noida, India*

- Develop user interfaces using HTML, CSS, Bootstrap and JavaScript

## PROJECTS

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### Faculty-Search Application

Spring 2021

- Developed Faculty-Search application for Computer Science Department at Virginia Tech
- Used **MEAN ( MongoDB, Express Angular, Node.js)** stack to develop the application
- Implemented Role-Based Access Control to restrict access to authorized users
- Improved ease-of-usage by adding functionalities like drag and drop

### Better Do Android Application

Spring 2020

- Developed a To-Do Android Application in a group of 3.
- Users could create, edit, delete and group tasks together.

### Java Projects

Fall 2019

- Created 7 interactive projects in **Java** using concepts of Data Structures and Algorithms which includes Multi-Way Merge, Memory Management, Course Management, and interpreting survey data

### Tic Tac Toe AI Agent

Summer 2020

- Developed a tic-tac-toe **AI** agent using mini-max algorithm in **python**.

## TECHNICAL SKILLS

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**Programming Languages:** Java, JavaScript, Python, SQL

**Frameworks:** Angular, NestJS, Express

**Developer Tools:** Git, VS Code, Unity, Eclipse

**Technologies:** Node.js, Docker