

# Vijayendra Jagtap

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## Education

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### University Of Illinois Urbana-Champaign

Expected Grad-May 2021

- Bachelor of Science in Computer Engineering
- Minor in Mathematical Statistics

### Relevant Courses

- Computer Security, Applied Cryptography, Linear Algebra, Database Management, Computer Systems Engineering

### Certifications

- Machine Learning by Stanford University, Coursera Jun 2019
- AWS Certified Cloud Practitioner Aug 2019

## Experience

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### Software Developer Intern, Amazon

May 2020–Aug 2020

- Creating Web-Dashboard using REACT to manage 1500 automation tests for Twitch Prime web features.
- Allow developers to skip or enable tests with error-logging capabilities to allow transparency between each test run.
- Design project's back-end and front-end architecture solution using AWS DynamoDB and Typescript.
- Consult with senior engineers to expand testing capability on other Twitch Prime projects.

### Back-end Software Developer Intern, Higi

Jan 2020–May 2020

- Enhanced communication protocol between kiosk and database on over 10,000 stations across America.
- Designed multiple relational schema for customer survey questions using Azure Cosmos-DB.
- Analyzed user profile and survey question to provide individualistic healthcare recommendations.
- Developed ASP.NET API to gather user session information in Snowflake database to enhance user data.

### Java Software Engineer Intern, NextGen-Telesolutions

Jun 2018–Aug 2018

- Generated AES/3DES keys to encrypt customer data during a transaction.
- Created secure 'Key Management API' with SPRING Framework to encrypt customer data during transactions.
- Improved server query response time by 15% by restructuring API configuration.

## Activities

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### Clustering Incorrect Student Problems in Programming Courses, Research Group Aug 2018– May 2019

- Implemented precondition learning algorithm to identify errors in students' homework code.
- Cluster results from precondition algorithm to find a pattern in student's mistakes.
- Generated new test cases to grade students' code submission for study.

## Projects

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### Linux Kernel

Fall 2019

- Programmed Linux based kernel from scratch using C and x86.
- Implemented memory resource management via paging.
- Developed custom device drivers and read-only file system.
- Implemented Round-Robin scheduling for multitasking capability.

### Productivity App, [github.com/Vijay1712/Productivity-App](https://github.com/Vijay1712/Productivity-App)

2019

- Built a Note taking/Calendar app to manage personal events and reminders.
- Created the app using Flutter and SQLite for data storage.

## Skills

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### Programming Languages and Frameworks

- Python, SQL, C++/C, C#, Java, Javascript, REACT, GraphQL, Azure, .NET, SPRINGBOOT, Flutter.

### Concepts

- Object-Oriented Programming, RESTful API, Machine Learning