

Aakash Varshney

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Objective

- Actively seeking internship opportunities in software and backend development fields where I can enhance my skills and contribute to the company's growth.

Education

B.S. Computer Engineering (Senior), **GPA: 3.9/4.0**

San Jose State University, San Jose CA, expected 5/2020

Relevant Courses

- Programming Concepts and Methodology
- OOPS Concepts and Methodology (C++)
- Data Structures and Algorithm (C++)
- Database Systems 1 (MySQL, MSSQL, Oracle)
- Software Engineering 1 (Android Studio)
- Advanced Algorithm Design (Python)
- Assembly Language Programming(MIPS)
- Digital Design (Verilog)
- Microprocessor Design (C, Assembly)
- Machine Learning with Big Data (R, Python)
- Computer Networks (Python, Wireshark)
- Introduction to Circuit Analysis (LT Spice)

Skills and Certifications

Technical: C, C++, MySQL, Microsoft SQL Server, Oracle Database, Circuit Analysis, Android Studio, Python, AngularJS, Ionic Framework, HTML, CSS, Big Data, Hive, Sqoop, Spark, Verilog, Wireshark, Pandas, scikit-learn, Numpy, Matplotlib, Plotly, Seaborn

Certificates: Cybersecurity Certificate SJSU, 2020

Relevant Projects

Take Me Back (2018)

- Google APIs to track user location and number of miles traveled.
- Location tag and pictures associated with user's location; therefore user can trace back places visited.

Soccer League Database Design (2018)

- Designed a relational database from scratch without using Object to Relational Modeling (ORM) in Python.
- A command line interface to keep track of teams, players, coaches, and other entities in soccer league.
- Stored the data in SQLite database, and wrote parametrized queries to perform the desired operation.

CryptoNance (a cryptocurrency trading website) (2018)

- Implemented a pool of cryptocurrencies which enables users to perform trade among users.
- Hashing to encrypt the transaction data between users; only the active user can view transactions.

Experience

Instructional Student Assistant | San Jose State University | January 2017- June 2017

- Led tutoring sessions to demonstrate capabilities of C language (GPIO, PWM, state machine, and data structures).

Awards and Publications

President's Scholar List (Spring 2019)

- Engineering undergraduates who have earned a 4.0 GPA in at least two contiguous semesters.

Introduction to Data Structures (Jan 2018)

- Published article on Medium to help students clear the basics of Data Structures.

