Saumya Bajracharya

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Education

University of Houston — Houston, TX
B.S.Computer Science, Minor: Mathematics **GPA: 3.96** — Aug 2017 - Dec 2019

San Jacinto College — Pasadena, TX
Associates General Studies *GPA: 3.72* — Aug 2010 - Nov 2013

Skills

Languages:	Python, JavaScript, SQL, C++, C, R
Tools:	RStudio, Git, Juypter Notebooks
Libraries:	NumPy, Pandas, React
Frameworks:	Django
Database Systems:	PostgreSQL
Operating Systems:	Linux, macOS, Windows

Work Experience

University of Houston — Houston, TX
COMPUTER SCIENCE MENTOR — June 2019 | Aug 2019

- Assist students with assignments and help them understand the key concepts in Python Programming. Tutor students in C++ and Object Oriented Programming.

United States Army
UTILITIES EQUIPMENT REPAIRER — Nov 2013 | Nov 2016

- Conducting HVAC technology briefing and training for soldiers. Inspect and repair air conditioner electrical systems, air conditioner vapor systems, refrigeration unit electrical systems, portable heater fuel/electrical systems, fire extinguisher recharging systems and fire extinguishers/valves.

San Jacinto College — Pasadena, TX
MATHEMATICS TUTOR — Jan 2012 | May 2013

- Help students with mathematics concepts and assignments. Organize study sessions for small student groups.

Projects

Machine Learning Models *R, RStudio* — UH | Completed
Analyzing data set of 32,561 observations and 15 variables using three machine learning models (Logistic Regression, Decision Tree and Random Forest) to determine what socio-economic factors contributed to someone making $50,000 or more.

EduStream *Python, Raspberry Pi, Cloud Vision* — UH | Completed
Combining Raspberry Pi with camera module to google's Vision API to detect and convert handwriting on whiteboard to text email.

Sudoku *Java, Java Swing(GUI)* — UH | Completed
A logical Sudoku game with interactive GUI that allows users to solve the Sudoku problems of varying difficulties.

Awards

Summa Cum Laude — University of Houston
Dec 2019

Phi Theta Kappa — Phi Theta Kappa Honor Society
March 2012

ACTIVITIES

Code Platoon *Python, JavaScript, PostgreSQL, Django, React* — Jan 2020 | Ongoing
A non profit full stack development training for military veterans.