

# Vansh Bajaj

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## EDUCATION

### CALIFORNIA STATE UNIVERSITY, LONG BEACH

#### MS IN COMPUTER SCIENCE

Graduated May 2019 | Long Beach, CA  
Cum. GPA: 3.1

### UTTAR PRADESH TECHNICAL UNIVERSITY

#### B.TECH IN INFORMATION TECHNOLOGY

Graduated June 2017 | Uttar Pradesh, India

### MONTFORT SCHOOL

Graduated. May 2013 | New Delhi, India

## LINKS

Github:// [vansh2795](#)  
LinkedIn:// [vansh-bajaj](#)  
Hackerrank:// [vansh2795](#)  
DataCamp:// [vanshbajaj](#)  
Facebook:// [vansh.bajaj](#)

## SKILLS

### PROGRAMMING

Good:

Python • HTML5 • CSS3 • JavaScript  
DOM • Windows

Average:

C++ • Java • Django •  $\text{\LaTeX}$  • Solidity •  
MySQL • Linux • Git

Familiar:

C# • jQuery • Android • Dart •  
Flutter

## COURSEWORK

### GRADUATE

Advanced Topics in Programming  
Languages

Advanced Operating Systems

Advanced Software Engineering

Object Oriented Analysis & Design

Advanced Analysis of Algorithms

Requirements Engineering

Hardware Software Co-Design

Artificial Intelligence

Memory Design Implementation

Deep Learning

## EXPERIENCE

### INDI FOUNDATION | LEAD OPERATIONS ENGINEER | MOSTLY REMOTE

July 2017 – August 2018 | Knowledge Park V-Noida, Uttar Pradesh, India.

- Creation and Development of INDI Smart Contract. Managing the development of website – <https://indi.live/>. Conducted research, coordinated team and collaborated on the development of whitepaper. Responsible for the managing teams of interns.
- Stack - IntelliJ IDEA, Solidity, Ethereum Blockchain, HTML, CSS, JavaScript, PHP, LaTeX.

### JOHNSON CONTROLS | INFORMATION TECHNOLOGY INTERN

June 2016 – July 2016 | Pune, Maharashtra, India

- Worked with the IT department to effectively analyze and solve technical issues. Developed a content management system. Conducted research, compiled data and prepared requirements for an office wide portal.
- Stack - Eclipse, HTML, CSS, JavaScript, Struts, JSP, Hibernate, Apache Tomcat.

## PROJECTS

### PREDICTING HAND DRAWN SKETCHES USING GOOGLE'S QUICKDRAW DATASET IN REAL TIME

- Used Convolutional Neural Network to classify and predict data.
- Stack - Spyder, Python, OpenCV-Python, Keras, Pandas, h5py, Scipy, Scikit-learn

### REAL TIME AUDIO FILTER

- Stack - Vivado Design Suite, Zybo Zynq-7000 ARM/FPGA SoC board, Xilinx SDK, C#.

### SIMULATION BASED COMPARATIVE STUDY OF OPEN SOURCE MEMORY SIMULATORS THAT MODEL DRAM AND NVM'S

- Results compared on metrics such as – Simulated Clock Cycles, Throughput, Memory Consumption and Average Power Consumption.
- Stack - Ubuntu 18.04.2, Gem5, NVMain, Ramulator, DRAMSim2, LaTeX.

## CERTIFICATIONS

- DataCamp - **Data Scientist** with Python.
- DataCamp - **Data Analyst** with Python.
- Udemy - **Ethereum & Solidity**: The Complete Developers Guide.
- Udemy - **Python & Django** Web Developer's Guide.

## INTERESTS

- Cryptocurrency Trading, Basketball, Cricket, Working out, History, Politics, Reading.