## COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK NAME: Vinay Kale CANDIDACY: Master of Science SSN#: XXX-XX-6774 MAJOR: DATA SCIENCE SCHOOL: FU FOUNDATH SCHL OF ENGINEERING & APPLIED SCIENCE: GRAD PROGRAM TITLE: DATA SCIENCE SUBJECT COURSE TITLE POINTS GRADE NUMBER Fall 2017 CSOR W 4246 ALGORITHMS FOR DATA SCIEN 3.00 B+ ECBM E 4040 NEURAL NETWRKS & DEEP LEA 3.00 A E 4000 PDL FOR DATA SCIENCE ENGI 0.00 P STAT GU 4203 PROBABILITY THEORY 3.00 A STAT GR 5703 STAT INFERENCE & MODELING 3.00 A-GPA 3.750 Spring 2018 COMS W 4121 COMPUTER SYSTEMS FOR DATA 3.00 A W 4721 MACHINE LEARNING FOR DATA 3.00 B COMS E 4998 INTERMEDIATE PROJECTS ELEN 3.00 A STAT GR 5702 EXPLORATORY DATA ANALYSIS 3.00 A GPA 3.750 Summer 2018 COMS E 6910 FIELDWORK 1.00 GPA 4.000 Fall 2018 ELEN E 6885 TPC:REINFORCEMENT LEARNIN 3.00 ENGI E 4800 DATA SCIENCE CAPSTONE&ETH 3.00 REMARKS Cumulative GPA: 3.760 This official transcript was produced on AUGUST 23, 2018. SEAL OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK Barry & Kan Barry S. Kane Associate Vice President and University Registrar TO VERIFY AUTHENTICITY OF DOCUMENT, THE BLUE STRIP BELOW CONTAINS HEAT SENSITIVE INK WHICH DISAPPEARS UPON TOUCH