

Ankush Chauhan

<http://ankush.tech>
achauhan4@student.gsu.edu | 470.343.8844

EDUCATION

GEORGIA STATE UNIVERSITY
M.S. IN COMPUTER SCIENCE
Expected Dec 2017 | Atlanta, GA

HIMACHAL PRADESH UNIVERSITY
B.TECH. IN INFORMATION TECHNOLOGY
Grad. Aug 2014 | Shimla, India

LINKS

LinkedIn:// [ankunix](#)
Github:// [ankush2611](#)
Devpost:// [ankush2611](#)
HackerRank:// [AnkUnix](#)
ResearchGate:// [Ankush_Chauhan](#)

COURSEWORK

GRADUATE

- Machine Learning
- Advanced Data Mining
- Spatial and Scientific Databases
- Advanced Database Systems
- Big Data Programming

UNDERGRADUATE

- Applied Mathematics
- Discrete Mathematics
- Analysis & Design of Algorithm
- Natural Language Processing
- Artificial Intelligence
- Data Warehouse & Data Mining
- Parallel Computing
- Basic Electrical Engineering
- Digital and Data Communication
- Microprocessor, Microcomputers and Interfaces

SKILLS

LANGUAGES

C • C++ • Python • asm 8085 • Bash • R
Octave • MATLAB • Objective-C • Java
Scala • SQL • NoSQL • PostgreSQL
JavaScript • HTML5 • XML/JSON

API / PACKAGES / SERVICES

Scikit-learn • MLlib • PySpark • Pandas
SciPy • NumPy • Keras • Graphlab Create
RaspberryPi / Arduino GPIO • AWS
Google Cloud Platform • Azure • Watson
Hadoop • Spark • MongoDB • Cassandra
Berkeley Data Analytics Stack • H2O
REST • MLaaS • HPC Systems

APPLICATIONS

Jupyter • KNIME • Tableau • vi • Git

EXPERIENCE

ADP DATA SCIENCE INTERN

September 2017 – Present | Atlanta, GA

- Data Mining on HCM datasets to provide actionable insights for the customer of world's leader in payroll processing at its Data Science Lab. Hands-on experience with enterprise grade statistical and big data tools.

GEORGIA STATE UNIVERSITY ADMINISTRATIVE COORDINATOR

August 2017 – Present | Atlanta, GA

- Gamification of GSU Passport Program using the iCollege Framework. Creation of personalized dashboards and weekly reports in Google Analytics for user engagement statistics for department website.

FEDERAL HOME LOAN BANK BUSINESS INTELLIGENCE INTERN

January 2017 – April 2017 | Atlanta, GA

- EDW Staging and UAT for BI using financial dataset mappings, developed scripts for QA Automation deployed with DBUnit on Java and KNIME.

GEORGIA STATE UNIVERSITY GRADUATE ASSISTANT

January 2016 – May 2016 | Atlanta, GA

- Summer 16-Spring 17 | GRA @ Office of Diversity Education Planning
- Spring 16 | Graduate Teaching Assistant @ Department of Computer Science

TECH MAHINDRA | AT&T SOFTWARE ENGINEER

November 2014 – December 2015 | New Delhi, India

- Developed automation scripts on RHEL systems using SQL & TeraData encompassing ETL operation plans on SNMP statistics dataset.

PROJECTS

GEORGIA STATE UNIVERSITY January 2016 – Present | Atlanta, GA

- **TIME SERIES DATA MINING FOR SOLAR ACTIVE REGION CLASSIFICATION**
Multivariate time series event classification using selective interpolation techniques for missing signals and other signal preprocessing, using the statistical moment as features, fitted on an ensemble of LR, Naive Bayes, LDA, K-NN classifiers, training and evaluation on NASA's Solar Dataset Observatory's sensor data.
- **HIGH DIMENSIONAL SPATIAL INDEXING USING SPACE-FILLING CURVES**
Reduced disk lookup time on high dimensional point data by indexing database table on spatially indexed by developing algorithms for space-filling curves such as the Hilbert Curve. Experimental testing on point & range query performance metrics on varying dataset point distribution, dimension, and size.
- **COMMUNITY DETECTION ON COMPLEX GRAPH NETWORKS USING APACHE SPARK**
Scalable embedded graph processing of Stanford Network Analysis Platform (SNAP) for Facebook and Twitter datasets, using Neo4j for running graph queries and real-time visualization GraphStream and NetworkX for detected community.
- **GPS MESSENGER**
Google Cloud based Realtime Android N app integrated on Firebase SDK for providing cloud based location sharing and messaging performed using geospatial KNN queries.
- **Dissonance**
Hands-free music control and DJing app, streaming gyroscope sensor data from JBL headphones, co-occurrence pattern detection of spatial gestures mapped control.
- **BATON - IOS HEALTH TRACKER APP**
FFT based heartbeat detection filtered from the image data of a finger on iPhone's camera and live heartbeat visualization via interfacing Bluetooth LED array on JBL Pulse.

AWARDS

2016	1st Place	hackGSU Spring / Fall	Baton / Dissonance
2016	Bronze Medal	Machine Learning CodeSprint	Predict Email Open