AAYUSH KUMAR

{ak} aayush-k.tech

github.com/aayush-k
aayush.kumar@gatech.edu
linkedin.com/in/aayush-k
(408) 859-6810
San Jose, CA - U.S. Citizen

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY
B.S. in Computer Science: Intelligence & HCI Threads - 3.83 GPA
ATLANTA, GA ● GRADUATING DECEMBER 2018

EXPERIENCE

YAHOO: TRIPOD PROJECT
Tripod Engineering Intern
SAN FRANCISCO, CA ● MAY 2017 - PRESENT

Yahoo's platform for commoditized photo & video storage, serving, enrichment, aggregation, & search
- **Improved image search parsing accuracy** by broadening search metrics & testing query processing algorithm
- **Built Tripod Map & Image Viewer UI** in React.js to help visualize EXIF-metadata/geodata & reusable React component internal library

ARON DEVELOPERS
Full Stack Rails Developer Intern
LOS ALTOS, CA ● MAY 2016 - AUGUST 2016

Real estate developer which focuses on building smart, luxury homes in San Francisco Bay Area
- **Built a realtime Ruby on Rails data visualization** of net interest on mortgages taken for all unsold properties/ construction sites.
- **Designed and Implemented SQL** tables for Loans database

COURSEWORK
College of Computing Student
ATLANTA, GA ● AUGUST 2015 - PRESENT

- **Knowledge-Based AI** - CS4635
- **Computer Vision** - CS4641
- **Intro to AI** - CS3600
- **Robotics & Perception** - CS3630
- **User Interface Design** - CS3750
- **Algorithm Design/Analysis** - CS3510

SMART CITY INFRASTRUCTURE
Computer Vision Engineer
ATLANTA, GA ● AUGUST 2017 - PRESENT

Working under Dr. James Tsai , Dr. Tony Yezzi to develop smart city infrastructure health condition monitoring, detection and diagnosis with the use of emerging technologies
- **Developing vehicle detection, categorization, and tracking** system to gather data about traffic flow and behavior patterns using static and dashboard footage

PROJECT RESURGENS
AHNA AI/IOT Developer
ATLANTA, GA ● MAY 2016 - AUGUST 2017

Georgia Tech's Smart Solar Home & Internet of Things project emphasizing self-sustenance/net zero energy/carbon footprint
- **Training a classification model of electricity consumption** using outlet reading data to optimize energy consumption
- **Building cross-platform React Native App** that helps users track electricity & water savings/consumption over time

ITRANS
Android Developer
ATLANTA, GA ● JANUARY 2016 - MAY 2016

Faculty research on optimizing campus transportation systems & developing a forecasting, computation, & communication system to improve bus circulation
- **Implemented automated announcements** of bus stops with realtime broadcasts of route changes, upcoming cancellations & weather forecasts with Android TextToSpeech engine

SKILLS

LANGUAGES
- Java
- Python
- JavaScript
- Matlab
- HTML/SASS/CSS
- Ruby on Rails

LIBRARIES
- SKLearn
- OpenCV
- React/Redux
- ImmutableJS
- LeafletJS
- Android SDK

DEV TOOLS
- Jira
- Designs & Mockups (Sketch)
- Splunk
- Git/GitHub Workflow
- Linux/RHL (SSH)
- Enterprise Slack/Hipchat

INTERESTS

ACTIVITIES
- **GT Qurbani** - All-Male Nationally Competitive Collegiate Bollywood Fusion Dance Team
- **Tennis** - Competed in the USTA Men's Singles Circuit
- **Recreational** - Collegiate Intramurral Ultimate Frisbee, Hiking, Rock Climbing, Camping
- **Musician** - Played Piano for 8 Years & Recorded Covers

AWARDS
- **Faculty Honors 2015, 2016** - 4.0 GPA in most recent semester
- **Dean's List** - GPA avg of 3.0 or higher
- **2nd** - Cal Berkeley National Speech Invitational (117 competitors)
- **1st** - University of Pacific Jon Schamber Speech Invitational

Made with React