

Ashutosh Bhattarai

Sunnyvale, CA 94087 | (415) 910-9116 | ashutb99@vt.edu

EDUCATION

Virginia Polytechnic Institute and State University
B.S., Computer Science

AUG 2017 – MAY 2021
GPA: 3.19/4.00

WORK EXPERIENCE

AUTODRIVE DESIGN TEAM: MAPPING | Blacksburg, VA OCT 2018 – PRESENT

- Coordinated with 6 other sub teams to build an autonomous vehicle for school design team
- Utilized QGIS mapping software in Python along with ROS to integrate digital maps to vehicle
- Connected relevant sections of maps to with GUI and Path planning systems to determine exact location of car

PERSONAL PROJECTS

HEALTH FITNESS APP PRESENT

- Implementing image processing technology to accurately identify food items
- Utilizing Python libraries such as Keras and Scikit-Learn

TWITCH.TV OPERATED ROBOT | Blacksburg, VA APR 2017

- Programmed robots to accept user input from chat menu and then interpret those strings as valid movement commands
- Utilized Online Streaming Service platform Twitch.TV
- Implemented a Raspberry Pi and C to wirelessly control robot through Twitch
- Coordinated with three team members to complete project within 8-hour deadline

ACTIVITIES/LEADERSHIP

SOCIETY OF ASIAN SCIENTISTS AND ENGINEERS | Blacksburg, VA APR 2018 – PRESENT
External Task Force Chair Officer

- Coordinated with other organizations to plan the 2019 Engineering Career Fair
- Collaborated with Companies to host events and also organized a resume workshop for a chapter of 50+ members

THETA TAU: PROFESSIONAL ENGINEERING FRATERNITY | Blacksburg, VA APR 2018– PRESENT
Fundraising Chair

- Collaborated with business in Blacksburg to set up different fundraisers for entire chapter
- Increased funds for entire chapter by 20% for 2018 semester

SUMMER NEPALI COMPUTER SCIENCE SEMINAR | Sunnyvale, CA JUN 2017 – AUG 2017
Java Instructor

- Collaborated with a CS instructor from the University of California Santa Cruz to teach Java to 25-30 Nepali High School students to provide an introduction to programming

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++

Other Technologies: QGIS, SQL, ROS, HTML, CSS, PG Routing, Linux

RELEVANT COURSEWORK

- Software Design and Data Structures, Data Structures and Algorithms, Python Programming
- Docker Containerization, SQL Database Management