5017 Marshall Crown Rd
Centreville VA 20120

ARYAN R. KUMAWAT

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EMPLOYMENT

| **Software Engineer, Intern** | **Gradder** | **Summer 2020** |

AI-Based School Management System
- Implemented backend technologies, wrote REST APIs for student and teacher classes, developed search algorithms and admin permissions for users. Used Flask and MongoDB.

| **Software Engineer, Intern** | **HKP Solutions LLC** | **Summer 2020** |

Mobile applications for the hospitality industry
- Worked as both web and backend develop, developed many mockup screens, website and email services, wrote API for hotel manager class. Used React, EmailJS and Firebase.

| **EDIT Research Intern** | **Dartmouth-Hitchcock** | **Summer 2021** |

- Developed 3D Lab Automation Components for MOHS surgery under the Dartmouth Department of Pathology and Laboratory Medicine. Developed 3D point cloud, model viewing interface and image segmentation models.

| **ASSIP Research Intern** | **George Mason University** | **Summer 2021** |

- Conducted research towards the first ever Microtask Programming Hackathon. Created task and API for hackathon, designed hackathon structure and surveys.

EDUCATION

Thomas Jefferson High School for Science and Technology

| **Alexandria, VA** | | **Fall 2018 – Present** |

- GPA: 4.32 (Weighted); 3.72 (Unweighted)
- Relevant Coursework: Post AP's: Machine Learning; Artificial Intelligence; Multivariable Calculus; Linear Algebra; AP's: Computer Science; Statistics; Calculus BC; Additional courses: Robotics; Digital Electronics; Design & Technology; Mobile and Web Applications Research

TECHNICAL EXPERIENCE

Projects
- **Senior Assistive Button** (2019). Won 1st place at Fairfax County Shark Tank Technology Challenge. Helps seniors live alone in the convenience of their homes while reassuring caregivers of their senior's wellbeing. IOT, AWS.
- **ProtestFind** (2020). Won HackDefy Best Activism/Empowerment Hack. Online service that allows people to manage, create, and join protests around the country. Flask, Google API.
- **SeniorShield** (2021). A mobile application that allows cognitively impaired individuals, particularly senior citizens, to stay safe within their homes. Python, Raspberry Pi, Swift.
- **TutorFind** (20220. Application for students to find tutors for their needs and learn. React Native, SQL.

ADDITIONAL EXPERIENCE AND AWARDS

- **Trilingual:** English, Hindi, Russian.
- **Code++ President:** Lead computer science club which teaches advanced frameworks, https://activities.tjhsst.edu/codeplusplus/
- **Mobile Applications Club Officer:** Webmaster and lecturer of computer science club which teaches mobile application development.
- **ACSL All-Star:** One of 1200 students chosen to compete in the American Computer Science All-Star League Contest.
- **Outstanding Delegation (Model United Nations**): At CHMUN, ILMUNC, NAIMUN. Two were national/international conferences with 100's of delegates.

Languages and Technologies

- C++; Python; Java; HTML; XML; CSS; JavaScript; Solidity
- Visual Studio; Eclipse; React/React Native; Node; Flask; scikit-learn; Julia; Blockchain; Arduino; Raspberry Pi