SANJAY MOHAN KUMAR

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EDUCATION

George Mason University Expected Graduation: May, 2026
Pursuing Bachelors degree in Computer Science *Fairfax, VA*

- **Relevant Coursework:** Object-Oriented Programming, Data Structures

Broad Run High School Aug 2018 - June, 2022
Ashburn, VA

- **Advanced Placement:** World History, Computer Science A, Statistics
- **Honors:** Research Chemistry, Physics, Project Lead the Way(PLTW)
- **Achievments:** Workplace Readiness Certification, Microsoft Office Specialist

SKILLS

Programming	Java, Kotlin, Python, C++, Latex, Git, Unix Shell, OpenCV
Software	IntelliJ, Visual Studio, MATLab, Microsoft Office, Adobe Software
Hardware	Arduino, Raspberry Pi, 3D Printing
CAD	Onshape, Autodesk Fusion 360
Robotics	State Machines, Control Theory, Trajectory Generation & Following, Open & Closed Loop Control
Soft Skills	Leadership, Problem Solving, Critical Thinking, Teamwork

PROJECTS

Smart Signal: *C++* | *Arduino* September, 2017
Built a tool to search for Hiring Managers and Recruiters by using ReactJS, NodeJS, Firebase and boolean queries. Over 25000 people have used it so far, with 5000+ queries being saved and shared, and search results even better than LinkedIn! (Try it here)

Projectile Motion Simulator: *Python* | *Physics* September, 2020
Build a project that does something and had quantified success using A, B, and C. This project's description spans two lines and also won an award.

State Machine Builder: *Kotlin* | *State Machines* February, 2022
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Sensor Localization: *Kotlin* | *Control Theory* | *Real-Time Position Estimation* July, 2022
Build a project that does something and had quantified success using A, B, and C. This project's description spans two lines and also won an award.

AlphaLib: *Kotlin* | *Control Theory* | *Trajectory Generation & Following* | *OpenCV* August, 2022
Build a project that does something and had quantified success using A, B, and C. This project's description spans two lines and also won an award.