

# JUHUN PARK

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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, SQL, JavaScript
- **Frameworks:** React.js, Flask, Bootstrap, Django, Pandas, Numpy, PostgreSQL, MediaPipe, Tailwind
- **Technologies:** Git, Linux, Docker, Firebase, GCP

## EDUCATION

<b>George Mason University</b> <i>BS Computer Science, ADVANCE Program</i>	Fairfax, VA Expected May 2027
<b>Northern Virginia Community College</b> <i>AS Computer Science, GPA: 3.9; Dean's List '23, '24; Presidential Scholar '24</i>	Annandale, VA Expected May 2025
<b>Relevant Courses:</b> Problem Solving & Programming, Object Oriented Programming, Data Structures & Algorithms, Calculus I/II/III	

## EXPERIENCE

<b>Eduverse</b> <i>Software Engineer Intern</i>	December 2024 – Present Remote
<ul style="list-style-type: none"><li>• Developed search endpoint using Django ORM, PostgreSQL to query profiles and posts with filters for names, skills and post types, optimized React integration efficiency by <b>50%</b>, reducing search query response time by <b>20%</b>.</li><li>• Redesigned the frontend using React and Bootstrap, resulting in <b>50%</b> reduction in page load time, <b>30%</b> decrease in API fetch time.</li><li>• Collaborated as a team of 5 on API testing using Postman and cURL, achieved <b>98% accuracy</b> for profile and post-related features.</li></ul>	
<b>Himedia Academy</b> <i>Full-stack Developer Apprenticeship</i>	January 2023 – April 2023 Seoul, South Korea
<ul style="list-style-type: none"><li>• Developed core web applications using HTML/CSS, JavaScript, Bootstrap and Oracle DBMS.</li><li>• Implemented backend features utilizing Object-oriented programming, data structures and algorithms, unit testing and debugging.</li></ul>	
<b>Science Research Program, Gimpo Highschool</b> <i>Student Researcher</i>	March 2021 – November 2021 Gimpo, South Korea
<ul style="list-style-type: none"><li>• Led a research project, developed and tested a motion detection application utilizing Numpy, OpenCV, PyAutoGUI and MediaPipe.</li><li>• Improved application accuracy of the motion-controlled pointer by <b>25%</b> through optimization of MediaPipe and OpenCV code, resulting in a <b>20%</b> performance enhancement.</li><li>• Demonstrated strong research and communication skills, authored comprehensive scientific research paper documenting the project.</li></ul>	

## PROJECTS

<b>Project Verstappen</b> — <a href="#">GitHub</a> — Python, Shared Memory API, OpenCV, AC/acsys module	2024
<ul style="list-style-type: none"><li>• Developed a real-time telemetry and data analysis system, integrating the Assetto Corsa Shared Memory API and AC/acsys module to extract real-time session telemetry and vehicle data for in-depth analysis.</li><li>• Utilized OpenCV to develop, implement advanced image processing pipelines for accurate track line extraction and lane detection.</li></ul>	
<b>FO Statistics</b> — <a href="#">GitHub</a> — Flask, React, Tailwind CSS, OpenF1 API, FastF1 API, Firebase, Docker, GCP	2024
<ul style="list-style-type: none"><li>• Developed a robust backend API using Flask to fetch, filter data from the OpenF1 and FastF1 APIs, for <b>100+</b> data tables and graphs.</li><li>• Designed and developed an intuitive and user-friendly interface and interactive frontend using React and Tailwind CSS, providing users with seamless navigation through updated driver/constructor standings and comprehensive grand prix statistics.</li><li>• Successfully deployed a production-ready backend API on Google Cloud Run utilizing Docker for containerization and leveraged Firebase for secure and efficient hosting of the React frontend.</li></ul>	

## EXTRACURRICULAR ACTIVITIES

<b>Web Developer Volunteer, InsightLegi DataStorm '25</b>   <a href="#">GitHub</a>   React, Bootstrap, Firebase	January 2025
<ul style="list-style-type: none"><li>• Developed a static website using <b>React</b> and <b>Bootstrap</b> to promote Hackathon 2025, including event details and registration process.</li></ul>	
<b>PatriotHacks '24</b>   <a href="#">GitHub</a>   React, Github Pages	October 2024
<ul style="list-style-type: none"><li>• Participated in a 36-hour hackathon event, collaborated with 3 team members to develop a <b>React</b> web application that provides information about government spending of tax revenue on incarceration and solutions to reduce spending on prison facilities.</li></ul>	
<b>CodePath Technical Interview Prep Course - TIP102</b>   <a href="#">Certificate</a>	May 2024 – August 2024
<ul style="list-style-type: none"><li>• Improved problem-solving skills of data structures and algorithms of heaps, trees, linked lists and hashmap through <b>60+</b> problems.</li><li>• Enhanced communication and analytical thinking skills by collaborating with <b>5 team members</b> from various cultural backgrounds.</li></ul>	