

# JUHUN PARK

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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, SQL, HTML, CSS, JavaScript
- **Frameworks:** React.js, Flask, Bootstrap, Django, Pandas, Numpy, PostgreSQL, MediaPipe
- **Technologies:** Git, Linux, Docker, Firebase, GCP, Anaconda3, VS Code, LaTeX, Eclipse, MS Office

## EDUCATION

**George Mason University** Fairfax, VA  
*BS Computer Science, ADVANCE Program* Expected May 2027

**Northern Virginia Community College** Annandale, VA  
*AS Computer Science, GPA: 3.9; Dean's List '23, '24; Presidential Scholar '24* Expected May 2025

**Relevant Courses:** Problem Solving&Programming, Object Oriented Programming, Data Structures&Algorithms, Calculus I/II/III

## EXPERIENCE

**Eduverse** December 2024 – Present  
*Backend Developer* Remote

- Implemented an ML-based recommendation algorithm using **Python** and **Django** suggesting user connections, personalized posts.
- Developed search endpoint using **Django ORM**, **PostgreSQL** to query profiles and posts with filters for names, skills, post types.
- Collaborated on API testing, debugging using **Postman** and **Git**, ensuring profile post-related functionality achieved **98% accuracy**.
- Implemented backend features, search features with seamless **React** integration for frontend functionality, deployed using **Firebase**.
- Worked as a team of 6 to develop and deploy scalable backend services, ensuring high availability and performance.

**21Cen. English & Math Academy** July 2024 – August 2024  
*English Instructor* Incheon, South Korea

- Improved 14 high school students' grades by average 30%, significantly improved understanding of English concepts and structures.
- Saved 20% of class time by developing 10 custom lesson plans, addressing the specific needs and objectives of all 14 students.

**Himedia Academy** January 2023 – April 2023  
*Full-stack Developer Apprenticeship* Seoul, South Korea

- Developed skills in web development techniques and REST API using **Bootstrap**, **HTML/CSS**, **JavaScript**, and **Oracle DBMS**.
- Focused on backend development skills; object-oriented programming, data structures and algorithms, unit testing, and debugging.
- Led a **team of 4** and improved workflow efficiency by reducing **30%** of development time by utilizing **Git**, **Github** and **Notion**.

**Science Research Program, Gimpo Highschool** March 2021 – November 2021  
*Student Researcher* Gimpo, South Korea

- Led a research project, developed and tested a motion detection application using **Numpy**, **OpenCV**, **PyAutoGUI** and **MediaPipe**.
- Authored a scientific research paper detailing the project methodology, test results, and implications for future research plans.

## PROJECTS

**Project Verstappen** | [GitHub](#) | Python, Shared Memory API, OpenCV, AC/acsys module 2025  
• Integrated the **Assetto Corsa Shared Memory API** and **AC/acsys module** for real-time session telemetry, vehicle data for analysis.  
• Utilized preprocessing pipelines using **OpenCV** to extract track lines for lane detection.

**Formula One Statistics** | [GitHub](#) | Flask, React, OpenF1 API, FastF1 API, Firebase, Docker, Google Cloud Run 2025  
• Implemented backend API using **Flask** to fetch, filter, store, update data from OpenF1 API and FastF1 API, with data tables, graphs.  
• Developed frontend interface with **React** for users to navigate through updated driver/constructor standings and grand prix statistics.  
• Deployed the backend API on **Google Cloud Run** using **Docker** for containerization, and **Firebase** for react frontend.

## EXTRACURRICULAR ACTIVITIES

**Web Developer Volunteer, InsightLegi DataStorm '25** | [GitHub](#) | React, Bootstrap, Firebase January 2025  
• Developed a static website using **React** and **Bootstrap** to promote Hackathon 2025, including event details and registration process.  
• Deployed the project on **Firebase Hosting**, enabling fast and scalable access.

**PatriotHacks '24** | [GitHub](#) | React, Github Pages October 2024  
• Participated in a 36-hour hackathon event, collaborated with 3 team members to develop a **React** web application that provides information about government spending of tax revenue on incarceration, and solutions to reduce spending on prison facilities.

**CodePath Technical Interview Prep Course - TIP102** | [Certificate](#) May 2024 – August 2024  
• Improved problem-solving skills of data structures and algorithms of heaps, trees, linked lists, and hashmap through **60+** problems.  
• Enhanced communication and analytical thinking skills by collaborating with **5 team members** from various cultural backgrounds.

**President of Software Developer Student Club, Gimpo Highschool** August 2020 – March 2022  
• Led **40** club members, supported their projects and academic success, recieved **100%** positive feedback from members and mentors.  
• Organized two successful project demonstration event, coordinated logistics, presentations, and attendee engagement.  
• Invited a published author in AI for a Q&A, facilitated understanding of AI concepts and inspired a new AI application project.