

Jp Varanasi

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Objective Motivated second-year Computer Science student with strong proficiency in Python, Django, and C++ (OOP & GUI), currently contributing as a Co-Electronic and Software Department Lead and the Lead for Chassis, Suspension and Drivetrain for the USW Formula Student team.

Technical Skills

- Languages: Python, C++, C#, Tailwind CSS, JavaScript, HTML/CSS
 - Frameworks & Tools: Django, React, Git, SQLite, PyQt
 - Soft Skills: Communication, Public Speaking, Team Leadership
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Projects

jpvaranasi.com – Personal Portfolio | HTML, CSS, JavaScript

- Designed and developed a personal website showcasing projects, skills, and experience.
- Implemented responsive layouts and interactive elements for smooth user experience.

DRS (in development) – F1 SaaS | React.js, Tailwind CSS

- Developing a dynamic web application to manage data and analytics
- Focused on component-based UI design and efficient data flow using modern frontend frameworks.

DigiFob – SaaS Web App | Django, Python, HTML/CSS

- Built a digital key and access management platform with Django backend.
- Implemented user roles and session control features.
- Designed responsive interface with CSS.

Jarvis – Voice-Controlled Desktop Assistant | Python

- Developed a personal assistant with integrated voice recognition and system controls.
 - Features include weather updates, search, reminders, and task automation.
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Experience

Co -Electronics & Software Lead – USW Racing (FSUK)

University of South Wales | October 2025 - Current

- Leading the development of embedded systems and software for telemetry, control, and vehicle diagnostics.
- Managing the electronics subsystem, integrating PE3 ECU, and supervising firmware and sensor network design.
- Mentoring junior developers and coordinating cross-functional engineering teams.

Developer – USW Racing (FSUK)

USW Racing | Jan 2025 - Current

- Engineered software tools for telemetry, vehicle diagnostics, and simulation.
- Configured PE3 ECU module and respective software.
- Collaborated with cross-functional engineering teams in an industry workflow.
- Developed software tools for web-scraping

Head of Chassis, Suspension and Drivetrain - USW Racing (FSUK)

USW Racing | Jan 2026 - Current

Education

BSc Computer Science (Hons) (2024-2027)

University of South Wales

Extra Curricular

- Course Representative – Represented students in faculty meetings and academic decisions.
- STEM Ambassador – Delivered interactive coding sessions to young students, promoting tech careers.
- Digital Mentor – Supporting and guiding students in developing technical and academic skills.
- Course Structure Advisor
- PASS Leader - Supported students with academic assistance.