SHIVAM SINGH

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EDUCATION

National Institute of Technology, Tiruchirappalli   Tiruchirappalli, Tamilnadu
Master of Computer Application, CGPA: 8.01   *July 2020 – June 2023*

TECHNICAL SKILLS

Language	C/C++, C#, Python, SQL, HTML/CSS, Bootstrap, JavaScript, React JS, Redux
Platform/Engine	Flutter, Unity, Unreal Engine, Postman
Developer Tools	Git, GitHub, Visual Studio, VS Code, Android Studio

EXPERIENCE

Post Graduate Trainee Engineer [PGET]   Collins Aerospace, Bangalore
Automation Project (PL-56) | *React, Redux, Node JS, Express, SQL*   *September 2023 - Till Date*

- Designing responsive UI and developing APIs for seamless database and device integration.
- Automating manual testing, ensuring effortless data storage post-testing.
- Post-deployment, our solution saves 10 hours per week, boosting productivity significantly.

Internship   Collins Aerospace, Bangalore
Automation Project | *ASP.net core, React, C#, LINQ*   *June 2023 - August 2023*

- Created a scalable Web App, enabling paperless workflows for users.
- Developed REST APIs in C# to seamlessly handle data exchange between backend and frontend.
- Acquired expertise in N-Tier Architecture and Entity Framework during project execution.

Immersive HoloLens2 Application | *Unreal Engine, C++*   *Feb 2023 - May 2023*

- Designed immersive HoloLens2 app with Unreal Engine and C++.
- Led AR/VR proof-of-concept, showcasing innovative user interaction.
- Implemented hand gesture feature for intuitive CAD interaction.

PROJECTS

Blog App | *Flutter, NodeJs, MongoDB*   *June 2021 - Dec 2021*

- Built a scalable Blogging Android Application through which users can post their articles and read articles of others in a hassle-free way.
- Developed REST APIs to send and receive user data from Back-end to Front-end.
- Learned REST APIs management and state management in Android applications.

Dictionary Using BST | *C++, CLI Interface*   *May 2021 - June 2021*

- Built a dictionary using the Binary Search Tree concept, where words and their meanings can be stored and retrieved.
- Learned the concept of file handling.

Mail Sender | *Python, GUI Interface*   *Jan 2022 - Feb 2022*

- Mail Sender is working on the SMTP protocol.
- Users can send emails through this application.
- Learned how networking protocols work.