

Suryansh Singh

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EXPERIENCE

Oxford Instruments - Andor | *Software Engineering Placement Student* Belfast, N. Ireland | **Jul 2024 – Present**

- Proficient in C# programming and Unit Testing, leveraging NUnit and Moq frameworks to ensure robust and reliable code.
- Experienced in code debugging using tools like Visual Studio Debugger and ReSharper, streamlining the identification and resolution of code issues.
- Extensive experience with Azure cloud services and DevOps methodologies, including CI/CD pipelines, infrastructure management, and automated deployments.
- Skilled in version control with Git, including branching strategies, merge conflict resolution, and repository management.
- Expertise in performance profiling and optimization using dotTrace to analyze and improve application performance.
- Experienced with HxD for detailed byte-level data analysis and manipulation, enhancing debugging and data handling processes.
- Contributing to the development and maintenance of Fusion software, which is utilized by Dragonfly and other advanced scientific instruments at Oxford Instruments.

Newcastle University School of ECLS | *Web developer Intern* Newcastle upon Tyne, UK | **Oct 2023 – Apr 2024**

- Applied web development expertise to support the rebranding and improvement of the Annual Review of ECLS e-journal webpage.
- Created and iterated on UI/UX designs using Figma, incorporating feedback for refinement.
- Utilized HTML, CSS, and JavaScript for development.
- Successfully deployed the project on the T4 CMS platform.

The Naked Baking Company | *Web developer Intern* Newcastle upon Tyne, UK | **Feb 2023 – Apr 2023**

- Designed and developed a complete e-commerce website, enabling online business operations.
- Integrated fulfillment API, streamlining order processing and enhancing customer experience.
- Collaborated with cross-functional teams to gather requirements and create user-friendly interfaces.

Blaze Consultancy Services | *Co-founder & Full-Stack web developer* Gorakhpur, India | **May 2021 – Sep 2022**

- Co-founded and served as the Full-Stack website developer, worked on website and software products for clients which generated 200,000 INR+ in revenue.
- Created and managed the company website, along with creating websites for 10+ clients.
- Led a team of 4-5 professionals on website development for clients such as small businesses and schools.

HopeTides | *Co-founder & Volunteer* Gorakhpur, India | **May 2021 – Sep 2022**

- Engaged in providing aid during the COVID-19 crisis and other emergencies occurring in nearby areas.
- Created content and managed the organization's social media profile, reaching the right audience to boost awareness.
- Developed and managed an informative website as a crucial resource hub, offering up-to-date information on hospital beds, oxygen cylinders, and vital resources for individuals seeking assistance.
- Conducted impactful donation drives, distributing essential supplies like food, oxygen cylinders, and masks to underserved communities.

EDUCATION

- Achieved a 2:1 grade in Year 1 and First Class in Year 2.
- Award: Vice Chancellor's International Scholarship
- Member of NUCATS and CyberSoc society

12th Standard | Kendriya VidyalayaGorakhpur, India | **Mar 2020 – Jul 2021**

- Subjects: Maths (73%), English (76%), Comp Sci (71%), Physical Edu (82%)
- Sports captain of school 2020-2021
- Football team captain and 2x national player

SKILLS & PROJECTS

- **Projects**
 - *CV Analyzer(python - flask), Donation Website (flask), Social Media App (Flutter), Image processor (C#), Note app (Flutter), Text Editor (C#)*
- **Programming languages and etc**
 - *C#, Flutter, Java, Python (with Flask), JS, React, HTML & CSS, Firebase, SQL, NUnit (Unit testing), SQLite, Docker*
- **Other**
 - *WordPress, Shopify, dotTrace, Adobe AE & Premiere pro, Filmora, Photoshop, Excel*
- **Communication**
- **College courseworks**
 - *Web-dev team project (Flask, HTML, CSS, JS and Sql), Panda3D development (Python), Banking system software development (Java), Graphs (Python), Auction company software (Java), Quiz management software (Java), Brown coding reversi game project (Java)*

EXTRACURRICULARS

- LinkedIn Learning: Advanced C# - Hands-on with LINQ, Dynamic Type, Extension Methods, and Tuples.
- Goldman Sachs: FinTech Engineering Virtual Experience Program.
- CS50 by Harvard, Data Structures and Algorithm by Princeton University.
- YouTube channel with 1 million total views and 2100+ subscribers.

INTERESTS

- Football: Former team captain, with a history of national-level participation.
- Kabaddi: Enthusiastic about traditional sports, participating and engaging in kabaddi matches and events.
- Trading: Dedicated interest in financial markets, including stocks, forex, and cryptocurrency, exploring market trends and investment strategies.