

# JAI KUMAR DEWANI

📞 9340422023 ✉ [jai.dewani.99@gmail.com](mailto:jai.dewani.99@gmail.com) 💼 [linkedin.com/in/jai-dewani](https://www.linkedin.com/in/jai-dewani) 🐙 [github.com/jai-dewani](https://github.com/jai-dewani)

## EDUCATION

**International Institute of Information Technology, Naya Raipur**

*Bachelor of Technology in Computer Science*

**August '17 – June '21**

*Naya Raipur, Chattisgarh India*

## EXPERIENCE

**Carl Zeiss**

*Software Engineer*

**July '21 – Present**

*Bengaluru, Karnataka, India*

- Utilized design patterns while improving upon various existing Eye charts implementations using WPF while resolving memory leaks
- Worked on securing a video streaming service while minimizing re-render load on system

**Carl Zeiss**

*FullStack Intern*

**January '21 – June '21**

*Bengaluru, Karnataka, India*

- Implemented various new methods, which were exposed as APIs using .NET framework to be utilised by frontend
- Created and deployed new gRPC servers for reducing coupling and introduce inter-processes communication channel between different services
- Utilized NUnit unit-testing framework and Fluent Assertions library for writing new unit test cases to improve the development and reduce turn around time in testing

## PROJECTS

**Meme Generator** | *JavaScript, React* | [WebApp](#)

**September 2020**

- Designed easy to use single page interface for creating memes
- Utilized Canvas display logic for presenting editable images for users to add and drag text over to create memes
- Built features for the ease of downloading memes and upload custom images for your custom memes

**DeepNeural Net Visualiser** | *Tensorflow, Flask, Streamlit* | [WebApp](#)

**June 2020**

- Built a webapp for easier visualisation of hidden layers in a Neural Net in real-time
- Utilised Streamlit to create a clean frontend design to update the model layer by layer
- Deployed the project on free-tier Heroku service to be easily accessible by anyone

**FunMark** | *Python* | [GitHub](#)

**May 2020**

- Developed a wrapper library for bench-marking different functions and allowing creation of graphical comparisons
- Released on PyPi package manager to be easily accessible with pip with currently over 2K downloads
- Wrote a blog on how to utilise the library efficiently [jai-dewani.github.io/blogs/fun-mark/](https://jai-dewani.github.io/blogs/fun-mark/)

**Lab Works** | *HTML, CSS, Js, Bootstrap, Django, SQLite* | [GitHub](#)

**April 2019**

- Built a web platform to ease the lab assessments for technical courses involving standard coding problems
- Devised a solution regarding issues with the manual process of lab assistants checking each submission manually
- Used 3rd party API which provides a safe environment to compile and run code while supporting wide range programming languages

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C#

**Developer Tools:** Heroku, Git, GitHub, Adobe Illustrator, CI/CD (GitHub Actions)

**Technologies:** ASP.NET, WPF, gRPC, Node.js, React, Express, Bootstrap, Passport, Django

## ACADEMIC ACHIEVEMENTS & EXTRA-CURRICULAR

- Co-founded** the first technical club at IIIT-NR, organized various events, talks and hackathons to promote competitive programming and development while improve the coding environment of the Institute.
- Ranked **1127<sup>th</sup>** globally and **115<sup>th</sup>** in India in Google HashCode, out of 10724 teams
- Qualified ACM-ICPC 2020 in Kanpur(**rank 63**) and Gwalior regions
- Qualified ACM-ICPC 2019 in Kharagpur(**rank 81**) and Amritapuri(**rank 37**) regions.
- Successfully cleared the Foundation level in **CCDSAP Certification** CodeChef.
- Recipient of **Google India Challenge Scholarship '17 Phase-1** under Udacity Nanodegree program
- Qualified CodeChef's Snackdown with a rank of **2587 out of 27875** teams
- Ranked **3<sup>rd</sup>** in **Codeutsava 2020** 2020, NIT Raipur's Annual Hackathon out of 30 participating teams