

# JAI KUMAR DEWANI

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## EDUCATION

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

*Bachelor of Technology in Computer Science*

**Aug. '17 – June '21**

*Naya Raipur, Chattisgarh India*

## EXPERIENCE

**Carl Zeiss**

*FullStack Intern*

**Jan '21 – Present**

*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

**Directi**

*Workshop Trainer Intern*

**May '19 – June '19**

*Naya Raipur, Chattisgarh, India*

- Trained 18 school students about Python programming using code visualization techniques in CodeChef sponsored summer camp of 2 weeks
- Learned and improved upon various pedagogy techniques while improving the course content

## PROJECTS

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

**September 2020**

- Used APIs to fetch images data that can be used by users to create memes
- Used Canvas to display the image, add texts and allowed users to drag texts around over the image
- Added option to download the image and upload custom images from local system of your own to create a meme.

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

**June 2020**

- Created a Neural Net Visualiser and trained it on the MNIST database which helped in visualizing the hidden layers.
- Used Streamlit to create a clean frontend design to update the model layer by layer post result generation
- Hosted the project on free-tier Heroku service to be easily accessible by anyone

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

**May 2020**

- Created an easy to use python package for benchmarking functions, allows for graphical comparisons as well
- Released it on PyPi package manager which currently has around 1.5K downloads
- More about FunMark on my [blog](#).

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

**April 2019**

- An application made to ease the lab assessments for technical institutes
- Students can sign up and solve coding questions in various supported languages.
- Enabled Professors to create coding questions and add test cases.
- Used JDoodle's API to compile student's programs and check them against predefined test cases.

## TECHNICAL SKILLS

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

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

**Technologies:** 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