

JAI KUMAR DEWANI

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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

- Worked on WPF Applications to improve upon various existing Eye charts while solving 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

- 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#

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 **1127th** globally and **115th** 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 **3rd in Codeutsava 2020** 2020, NIT Raipur's Annual Hackathon out of 30 participating teams