

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

- Utilized design patterns to improve on various existing Eye charts implementations build using WPF
- Resolved bugs related to incorrect preview and rendering of Visual Acuity and Chart Layouts in Chart Viewer
- Worked on securing a video streaming service while minimizing computational load on system

Carl Zeiss

FullStack Intern

January '21 – June '21

Bengaluru, Karnataka, India

- Implemented 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 IPC channels for various services
- Utilized NUnit and Fluent Assertions for writing new unit test cases improving overall development cycle

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/

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 **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