

ARYAN KOUNDAL

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EDUCATION

National Institute of Technology Hamirpur
Bachelor of Technology, Computer Science & Engineering,

December 2020 - June 2024
CGPA: 8.90

PROFESSIONAL EXPERIENCE

Processing Foundation - p5.js Google Summer Of Code '23

March 2023 - November 2023

Software Developer

Remote

- Enhanced p5.js WebGL/3D capabilities by integrating image-based lighting support into p5.js WebGL mode, allowing users to illuminate objects within their sketches using real-life images for a stunning visual effect.
- Worked in a 9 months long remote environment and followed agile software development method to create the feature.
- There were 4 stages of development involved: Planning and Design(Proposal), Development (Coding and Documentation), Testing, and Deployment.
- Tech-stacks used: WebGL, Shaders, and JavaScript.

100xDevs

November 2023 - Present

Teaching Assistant

Remote

- Working as a teaching assistant along with other 4 colleagues in the 100xDevs Full stack Development Cohort.
- There are 50 students in our sub-cohort and we guide them whenever necessary. Students approach whenever they have doubts regarding the cohort or any other related technical aspects.

SKILLS

Languages: C/C++, Python, Javascript, Typescript, WebGL, Shaders

Databases: [MySQL](#), PostgreSQL, MongoDB

Technologies: Linux, Git

Cloud Services: AWS

Documentation Tools: Swagger API, jsdocs, Docusaurus.

Frameworks: Django, NodeJS

Libraries: ReactJs, Pandas, NumPy, sklearn

Others: Agile methodology, CI/CD, Version Control

PROJECTS

StudyBuddy (A discord prototype for Students of different fields)

[Project Link](#)

- The application increases user experience through easy authentication, personalized profile editing, creation of multiple rooms and topic tags.
- The application focuses on user engagement through real-time chatting, activity tracking, room participants visibility, and easy profile exploration.
- Student can create and join multiple room of topics and chatting is available for each room. The rooms can be searched on the basis of tags associated.
- The tech stacks used: Django and ReactJs.

Machine Learning Project (Work participation, productivity, and mental and physical health outcomes among the elderly in India)

[Project Link](#)

- The main features include 3 primary tasks:
- The work participation task, the focus was on identifying suitable job opportunities based on an individual's skills.
- The productivity task involved assessing the performance of individuals in various job titles based on their age.
- The mental health task, the focus shifted to predicting and understanding the mental well-being of older individuals.

Personal Blog (A website for technical articles)

[Project Link](#)

- Developed a blog website to share insightful articles, tutorials, and project displays.
- A platform featuring diverse blogs on API guides, basic programming advice, and web development tech, contributing to a collaborative learning community.
- Tech stack used: Docusaurus and hosted on Netlify.

CERTIFICATIONS

[Google Summer of Code-2023](#)

[100xDevs Full Stack Development Cohort](#)

[MySQL](#)

COURSEWORK

Data Structures & Algorithms
Database Management Systems

Operating Systems
Computer Networks

Object Oriented Programming
Distributed Systems